2003 POTATO CROP

Variety, Weed and Pest Control Guide

Publication 1300A

Prince Edward Island

Prince Edward Island
CANADA

Agriculture and Forestry

Farm Extension Services

103-05298/

Potato Varieties Registered in Canada
2003

Abielle-9	Caesar - 8 *	Innovator - 8 *	Penta
Acadia Russet	CalWhite	Irish Cobbler	Peribonka - 7
AC Belmont	Caribe	Island Sunshine *	Pink Pearl
AC Blue Pride	Carleton	Jemseg	Ranger Russet
AC Brador	Carlingford - 2 *	Kanona	Red Gold
Accent	Cascade	Katahdin	Red La Soda
AC Chaleur	Century Russet	Kennebec	Red Pontiac
AC Domino	Cherokee	Keswick	Redsen
AC Dubuc	Cherry Red-11	Krantz	Rideau*
AC Glacier Chip*	Chieftain	Lady Rosetta	Rocket*
AC LR Russet Burbank*	Coastal Russet	Lili	Roselys - 3
AC Maple Gold *	Concurrent	MaineChip	Russet Burbank
AC Novachip	Conestoga	Maris Bard *	Russet Norkotah
AC Peregine Red *	Cupids	Matilda	Saginaw Gold
AC Ptarmigan *	Dakota Pearl *	McIntyre	Sangre
AC Red Island	Denali	Mirton Pearl	Santé*
AC Saguenor	Desirée	Mondial - 1 *	Saxon*
AC Stampede Russet *	Divina - 12 *	Morona	Sebago
AC Sunbury	Dundrod *	Morene*	Selma
Adora *	Envol	Morning Gold*	Shepody
Agata*	Epicure	Mouraska	Sierra*
Agria *	Eramosa	Navan - 2*	Snowden
Alpha	Estima *	Nipigon	Sunrise
Altitude - 7*	Fabula - 12 *	Niska	Superior
Andover	Fambo	NL 10-RBK*	Tobique
Anson	FL 1207	NL 10-SUP*	Tolaas
Aquilon	FL 1291	NL 20-SHE*	True Blue*
Asterix *	FL 1533	NL 30-RBK*	Ulla
Atlantic	FL 1625 *	Nooksack	Umatilla Russet*
Banana	FL 1833 *	Norchip	Van Gogh
Belleisle	Frontier Russet	Norgold Russet	Viking
Bintje	Fundy	NorKing Russet	VO 123-25 - 10*
Blue Mac	FV9649-6 - 6	Norland	VO 168-3 - 4*
Bombance - 5	Gigant	Norvalley*	Warba
Brigus	Goldrush	NorWis	White Rose
Brise du Nord - 3	Green Mountain	Obelix*	Yukon Gold
Butte	HiLite Russet *	Onaway	

1 Interim Registration - expires November 29, 2002
2 Interim Registration - expires February 4, 2003
3 Interim Registration - expires March 6, 2003
4 Interim Registration - expires April 29, 2003
5 Interim Registration - expires May 29, 2003
6 Interim Registration - expires June 12, 2003
7 Interim Registration - expires June 13, 2003
8 Interim Registration - expires June 21, 2003
9 Interim Registration - expires August 23, 2003
10 Interim Registration - expires Sept 13, 2004
11 Interim Registration - expires April 26, 2004
12 Interim Registration - expires May 17, 2004

* These varieties are protected by Plant Breeders' Rights Legislation or an application has been submitted.

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
ABEILLE	Mid Season	Round	Very Shallow	Yellow	Yellow	Medium High	High	-	-	-	-	*	-	-	-	Resistance
ACADIA RUSSET	Late	Oblong	Shallow	Light Russet	Creamy White	High	High	Moderately Resistant	Susceptible	-	Susceptible	*	-	-	Susceptible	Susceptible
AC BELMONT	Medium Early	Round	Shallow	Buff	White	High	Medium	Moderately Resistant	-	-	Moderately Resistant	*	Susceptible	-	Susceptible	Highly Susceptible
AC BLUE PRIDE	Mid-season	Long Oval	Shallow	Blue Purple	White	Medium High	Medium	Moderately Susceptible	-	-	-	*	-	Resistant	Susceptible	Moderately Susceptible
AC BRADOR	Very Late	Oblong Long	Shallow	Yellow	Light Yellow	High	Medium	Highly Resistant	-	-	Moderately Resistant	*	Highly Resistant	-	Susceptible	Moderately Susceptible
AC CHALEUR	Medium Early	Round	Medium	Buff	White	High	Medium	Susceptible	-	-	Highly Resistant	*	Susceptible	-	Susceptible	Moderately Resistant
AC DOMINO	Late	Round	Medium	Blue Purple	White	High	High	-	-	-	-	*	Susceptible	Resistant	Resistant	Susceptible
AC DUBUC	Mid-season	Long	Shallow	Buff	White	High	High	-	-	-	-	*	-	-	-	-
AC GLACIER CHIP	Mid-season	Round	Moderately Shallow	White	White	High	High	-	-	-	-	*	Moderately Resistant	Susceptible	-	Moderately Susceptible
AC LR RUSSET BURBANK	Very Late	Long	Shallow	Russet	White	High	High	Resistant	-	-	Highly Susceptible	*	-	-	Susceptible	Highly Resistant
AC MAPLE GOLD	Mid-season	Oval	Shallow	Yellow	Yellow	High	High	Susceptible	-	-	Susceptible	*	Moderately Resistant	-	Susceptible	Moderately Susceptible
AC NOVACHIP	Mid-Season	Oblong	Shallow	Buff	White	Medium High	Medium	Susceptible	-	-	Moderately Resistant	*	Moderately Susceptible	-	Susceptible	Moderately Resistant
AC PEREGRINE RED	Medium Late	Oval	Shallow	Red	White	High	Medium	-	-	-	-	*	Moderately Resistant	Susceptible	-	Moderately Susceptible
AC PTARMIGAN	First Early	Oval	Shallow	Buff	Cream	High	Medium	Moderately Resistant	-	-	Moderately Resistant	*	Moderately Resistant	-	Susceptible	Moderately Resistant
AC RED ISLAND	Mid-Season	Round-Oval	Shallow	Red	Pale Cream	High	Medium	-	-	-	-	*	-	Resistant	-	Moderately Resistant
AC SAGUENOR	Early to Mid-Season	Oval to Oblong	Shallow	Buff	Light Yellow	High	Medium	-	-	-	-	*	-	-	-	-
AC STAMPEDE RUSSET	Late Mid-season	Oblong	Very Shallow	Russet	White	High	High	-	-	-	-	*	Resistant	-	-	Moderately Resistant
AC SUNBURY	Medium Early	Round Oval	Shallow	Light Yellow	Light Yellow	Medium	Medium	Susceptible	-	-	Resistant	*	Susceptible	Susceptible	Resistant	Moderately Susceptible
ACCENT	First Early	Round Oval	Shallow	Pale Yellow	Pale Yellow	Very High	High	Good Resistance	Good Resistance	-	Good Resistance	*	-	-	Resistant	-
ADORA	Early	Oval	Shallow	Yellow	Creamy White	Medium	Low	Moderately Resistant	Resistant	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Susceptible
AGATA	Very Early	Oval	Shallow	Yellow	Yellow	Medium High	Medium	Moderate Resistance	-	-	Resistant	*	Moderate Resistance	Resistant	Moderate Resistance	Low Resistance
AGRIA	Medium Late	Long Oval	Shallow	Yellow Smooth	Dark Yellow	High	High	Moderately Susceptible	Good Resistance	Immune	Good Resistance	*	-	Susceptible	Resistant	Susceptible

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible.

* The relative resistance of potato varieties to the new strains of Late Blight, now prevalent in the region, is not well documented at this time.

** The reaction to wart disease refers only to NFLD.

N/A Information not available.

The information on private potato varieties is provided by their agents or excluded by their request.

The information on disease resistance for European varieties has been derived from European Literature.

For further information on potato varieties consult the publication "Potato Varieties in Canada" - ISBN 0-868-38-834-9

POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Store-ability
ABEILLE	-	-	-	-	Susceptibility	-	Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
ACADIA RUSSET	-	Highly Susceptible	Moderately Resistant	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
AC BELMONT	-	Highly Resistant	Moderately Resistant	-	Moderately Resistant	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	N/A
AC BLUE PRIDE	-	-	-	-	Moderately Susceptible	-	-	-	-	Good	Good	N/A	N/A	Fresh	Excellent
AC BRADOR	-	Highly Resistant	Susceptible	-	Moderately Resistant	-	Susceptible	-	-	N/A	Good	N/A	Good	Export Seed	Good
AC CHALEUR	Very Susceptible	Slightly Resistant	Susceptible	-	-	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	Fair
AC DOMINO	-	-	-	-	-	-	-	-	-	Fair	Very Good	N/A	N/A	Fresh	Good
AC DUBUC	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good	French Frying	Good
AC GLACIER CHIP	-	Moderately Susceptible	Moderately Susceptible	-	-	-	Resistant	Resistant	-	Good	Good	Excellent	N/A	Chipping	Excellent
AC LR RUSSET BURBANK	Resistant	-	Resistant	-	-	-	Very Susceptible	Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
AC MAPLE GOLD	-	Susceptible	Moderately Resistant	-	-	-	Resistant	Resistant	-	Good	Good	Good	Excellent	Fresh and French Fry	Excellent
AC NOVACHIP	-	Moderately Resistant	Moderately Resistant	-	Moderately Susceptible	-	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
AC PEREGRINE RED	-	Moderately Susceptible	Resistant	-	-	-	Resistant	Resistant	-	N/A	Excellent	N/A	N/A	Fresh	Excellent
AC PTARMIGAN	-	-	-	-	-	-	-	-	-	Good	Very Good	Very Good	N/A	Early Fresh Chipping	N/A
AC RED ISLAND	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good for Nfld.	Fresh	Good
AC SAGUENOR	-	-	-	-	-	-	-	-	-	-	Excellent	N/A	N/A	Fresh	Good
AC STAMPEDE RUSSET	-	Resistant	Resistant	-	-	Moderately Resistant	Resistant	Resistant	-	Good	Good	N/A	Excellent	French Fry	Good
AC SUNBURY	-	Susceptible	Susceptible	-	-	-	-	-	-	Excellent	Very Good	N/A	N/A	Early Fresh	Good
ACCENT	-	-	-	-	-	-	-	-	-	N/A	Very Good	N/A	N/A	Early Fresh	N/A
ADORA	Resistant	Resistant	Moderately Resistant	-	-	Susceptible	Resistant	Resistant	Tolerant	Good	Good	N/A	N/A	Fresh	Very Good
AGATA	Low Resistance	-	-	-	-	Susceptible	-	Susceptible	Susceptible	Excellent	Excellent	Fair	Fair	Early Fresh	Good
AGRIA	Susceptible	-	-	-	-	-	Susceptible	Moderately Susceptible	Moderately Resistant	Excellent	Good	N/A	Good	French Fry	Good

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ABEILLE	Mid Season	Round	Very Shallow	Yellow	Yellow	Medium High	High	-	-	-	-	*	-	-	-	Resistance
ACADIA RUSSET	Late	Oblong	Shallow	Light Russet	Creamy White	High	High	Moderately Resistant	Susceptible	-	Susceptible	*	-	-	Susceptible	Susceptible
AC BELMONT	Medium Early	Round	Shallow	Buff	White	High	Medium	Moderately Resistant	-	-	Moderately Resistant	*	Susceptible	-	Susceptible	Highly Susceptible
AC BLUE PRIDE	Mid-season	Long Oval	Shallow	Blue Purple	White	Medium High	Medium	Moderately Susceptible	-	-	-	*	-	Resistant	Susceptible	Moderately Susceptible
AC BRADOR	Very Late	Oblong Long	Shallow	Yellow	Light Yellow	High	Medium	Highly Resistant	-	-	Moderately Resistant	*	Highly Resistant	-	Susceptible	Moderately Susceptible
AC CHALEUR	Medium Early	Round	Medium	Buff	White	High	Medium	Susceptible	-	-	Highly Resistant	*	Susceptible	-	Susceptible	Moderately Resistant
AC DOMINO	Late	Round	Medium	Blue Purple	White	High	High	-	-	-	-	*	Susceptible	Resistant	Resistant	Susceptible
AC DUBUC	Mid-season	Long	Shallow	Buff	White	High	High	-	-	-	-	*	-	-	-	-
AC GLACIER CHIP	Mid-season	Round	Moderately Shallow	White	White	High	High	-	-	-	-	*	Moderately Resistant	Susceptible	-	Moderately Susceptible
AC LR RUSSET BURBANK	Very Late	Long	Shallow	Russet	White	High	High	Resistant	-	-	Highly Susceptible	*	-	-	Susceptible	Highly Resistant
AC MAPLE GOLD	Mid-season	Oval	Shallow	Yellow	Yellow	High	High	Susceptible	-	-	Susceptible	*	Moderately Resistant	-	Susceptible	Moderately Susceptible
AC NOVACHIP	Mid-Season	Oblong	Shallow	Buff	White	Medium High	Medium	Susceptible	-	-	Moderately Resistant	*	Moderately Susceptible	-	Susceptible	Moderately Resistant
AC PEREGRINE RED	Medium Late	Oval	Shallow	Red	White	High	Medium	-	-	-	-	*	Moderately Resistant	Susceptible	-	Moderately Susceptible
AC PTARMIGAN	First Early	Oval	Shallow	Buff	Cream	High	Medium	Moderately Resistant	-	-	Moderately Resistant	*	Moderately Resistant	-	Susceptible	Moderately Resistant
AC RED ISLAND	Mid-Season	Round-Oval	Shallow	Red	Pale Cream	High	Medium	-	-	-	-	*	-	Resistant	-	Moderately Resistant
AC SAGUENOR	Early to Mid-Season	Oval to Oblong	Shallow	Buff	Light Yellow	High	Medium	-	-	-	-	*	-	-	-	-
AC STAMPEDE RUSSET	Late Mid-season	Oblong	Very Shallow	Russet	White	High	High	-	-	-	-	*	Resistant	-	-	Moderately Resistant
AC SUNBURY	Medium Early	Round Oval	Shallow	Light Yellow	Light Yellow	Medium	Medium	Susceptible	-	-	Resistant	*	Susceptible	Susceptible	Resistant	Moderately Susceptible
ACCENT	First Early	Round Oval	Shallow	Pale Yellow	Pale Yellow	Very High	High	Good Resistance	Good Resistance	-	Good Resistance	*	-	-	Resistant	-
ADORA	Early	Oval	Shallow	Yellow	Creamy White	Medium	Low	Moderately Resistant	Resistant	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Susceptible
AGATA	Very Early	Oval	Shallow	Yellow	Yellow	Medium High	Medium	Moderate Resistance	-	-	Resistant	*	Moderate Resistance	Resistant	Moderate Resistance	Low Resistance
AGRIA	Medium Late	Long Oval	Shallow	Yellow Smooth	Dark Yellow	High	High	Moderately Susceptible	Good Resistance	Immune	Good Resistance	*	-	Susceptible	Resistant	Susceptible

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible.

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ABELLE	-	-	-	-	Susceptibility	-	Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
ACADIA RUSSET	-	Highly Susceptible	Moderately Resistant	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
AC BELMONT	-	Highly Resistant	Moderately Resistant	-	Moderately Resistant	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	N/A
AC BLUE PRIDE	-	-	-	-	Moderately Susceptible	-	-	-	-	Good	Good	N/A	N/A	Fresh	Excellent
AC BRADOR	-	Highly Resistant	Susceptible	-	Moderately Resistant	-	Susceptible	-	-	N/A	Good	N/A	Good	Export Seed	Good
AC CHALEUR	Very Susceptible	Slightly Resistant	Susceptible	-	-	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	Fair
AC DOMINO	-	-	-	-	-	-	-	-	-	Fair	Very Good	N/A	N/A	Fresh	Good
AC DUBUC	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good	French Frying	Good
AC GLACIER CHIP	-	Moderately Susceptible	Moderately Susceptible	-	-	-	Resistant	Resistant	-	Good	Good	Excellent	N/A	Chipping	Excellent
AC LR RUSSET BURBANK	Resistant	-	Resistant	-	-	-	Very Susceptible	Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
AC MAPLE GOLD	-	Susceptible	Moderately Resistant	-	-	-	Resistant	Resistant	-	Good	Good	Good	Excellent	Fresh and French Fry	Excellent
AC NOVACHIP	-	Moderately Resistant	Moderately Resistant	-	Moderately Susceptible	-	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
AC PEREGRINE RED	-	Moderately Susceptible	Resistant	-	-	-	Resistant	Resistant	-	N/A	Excellent	N/A	N/A	Fresh	Excellent
AC PTARMIGAN	-	-	-	-	-	-	-	-	-	Good	Very Good	Very Good	N/A	Early Fresh Chipping	N/A
AC RED ISLAND	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good for Nfld.	Fresh	Good
AC SAGUENOR	-	-	-	-	-	-	-	-	-	-	Excellent	N/A	N/A	Fresh	Good
AC STAMPEDE RUSSET	-	Resistant	Resistant	-	-	Moderately Resistant	Resistant	Resistant	-	Good	Good	N/A	Excellent	French Fry	Good
AC SUNBURY	-	Susceptible	Susceptible	-	-	-	-	-	-	Excellent	Very Good	N/A	N/A	Early Fresh	Good
ACCENT	-	-	-	-	-	-	-	-	-	N/A	Very Good	N/A	N/A	Early Fresh	N/A
ADORA	Resistant	Resistant	Moderately Resistant	-	-	Susceptible	Resistant	Resistant	Tolerant	Good	Good	N/A	N/A	Fresh	Very Good
AGATA	Low Resistance	-	-	-	-	Susceptible	-	Susceptible	Susceptible	Excellent	Excellent	Fair	Fair	Early Fresh	Good
AGRIA	Susceptible	-	-	-	-	-	Susceptible	Moderately Susceptible	Moderately Resistant	Excellent	Good	N/A	Good	French Fry	Good

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ALPHA	Very Late	Oval	Shallow	Yellow	Light Yellow	High	Medium	Very Susceptible	-	-	Very Susceptible	*	Susceptible	Susceptible	Susceptible	Moderately Resistant
ALTITUDE	Mid Season	Oblong	Very Shallow	White	White	High	Medium High	-	-	-	-	*	-	-	-	Moderately Resistant
ANDOVER	Early Mid-Season	Round	Shallow	Buff	White	High	Medium High	-	-	-	-	*	Susceptible	-	Resistant	Moderately Resistant
ANSON	Mid Season	Round	Medium	Buff	Creamy White	High	High	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
AQUILON	Mid-season	Round Oval	Medium	White	White	High	High	-	-	-	-	*	-	Susceptible	-	Resistant
ASTERIX	Late	Long	Shallow	Red	Pale Yellow	High	High	Fairly Susceptible	-	Resistant	-	*	-	-	Susceptible	Good Resistance
ATLANTIC	Mid Season	Oval Round	Shallow	Buff	White	High	High	-	-	Highly Resistant	-	*	-	Moderately Resistant	Resistant	Tolerant
BANANA	Late	Banana Shape	Shallow	Pale Yellow	Pale Yellow	Low	Medium	Moderately Resistant	-	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
BELLEISLE	Late	Oval	Shallow	Buff	White	High	High	Susceptible	-	-	Susceptible	*	-	-	Susceptible	Moderately Resistant
BINTJE	Late	Oblong	Shallow	Pale Yellow	Light Yellow	High	Medium	Fairly Resistant	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible
BLUE MAC	Late	Round	Medium	Blue Purple	White	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
BOMBANCE	Mid Season	Long	Shallow	White	White	Very High	Medium High	-	-	-	-	*	-	-	-	Low Susceptibility
BRIGUS	Mid-Season	Oval	Shallow	Blue Purple	Creamy Yellow	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
BRISE DU NORD	Mid-season	Oval	Shallow	Red	White	Very High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
BUTTE	Very Late	Long	Shallow	Light Russet	White	High	High	Susceptible	-	Highly Resistant	Moderately Susceptible	*	Moderately Susceptible	-	Susceptible	Resistant
CAESAR	Medium Late	Oblong	Very Shallow	Yellow	Yellow	Very High	Medium	Moderately Resistant	-	Susceptible	Highly Resistant	*	-	-	Resistant	Susceptible
CALWHITE	Mid-season	Long	Shallow	White	White	Very High	Medium	Susceptible	-	-	Susceptible	*	Moderately Susceptible	Susceptible	-	Susceptible
CARIBE	Very Early	Oblong	Medium	Purple	White	High	Medium	Moderately Resistant	-	-	Very Susceptible	*	-	-	Susceptible	Moderately Resistant
CARLINGFORD	Mid-Season	Round	Shallow to Medium	Buff	White	Medium	Medium to Low	-	-	-	-	*	-	-	Susceptible	-
CARLTON	First Early	Oval	Shallow	Buff	Creamy White	Medium	Low Medium	-	-	Moderately Resistant	-	*	-	-	Susceptible	Susceptible
CASCADE	Mid-season	Oblong	Shallow	White	White	High	High	Highly Resistant	-	Resistant	-	*	-	-	-	Resistant
CENTURY RUSSET	Very Late	Blocky Long	Shallow	Light Russet	White	Very High	Medium High	-	-	Highly Resistant	-	*	Susceptible	-	Susceptible	Moderately Resistant

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ALPHA	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Export Seed	Good
ALTITUDE	-	-	-	-	Low Susceptibility	-	Resistant	-	-	Good	Excellent	N/A	N/A	Fresh	Good
ANDOVER	-	Susceptible	-	-	-	-	-	-	Susceptible	Good	Excellent	Excellent	N/A	Chipping	Good
ANSON	-	-	-	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
AQUILON	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	Tolerant	Excellent	Good	Good	N/A	Chip/Table	Good
ASTERIX	-	-	-	-	-	Good Resistance	Good Resistance	Good Resistance	Moderately Resistant	Good	Good	N/A	Excellent	French Frying	Good
ATLANTIC	-	Tolerant	-	Resistant	-	-	Susceptible	-	-	Excellent	Excellent	Good	N/A	Chipping	Good
BANANA	-	-	-	-	-	-	-	-	-	N/A	Good	N/A	N/A	Home Garden	Good
BELLEISLE	-	Highly Susceptible	Highly Resistant	-	-	Highly Resistant	-	-	-	Excellent	Excellent	N/A	Good	Fresh	Good
BINTJE	-	-	-	-	-	-	-	-	-	Excellent	Excellent	Excellent	Excellent	Export Seed	Fair
BLUE MAC	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
BOMBANCE	-	-	-	-	Susceptible	-	Resistant	Low Resistance	-	Good	Good	N/A	N/A	Fresh	Good
BRIGUS	-	-	-	-	Susceptible	-	-	-	-	N/A	Good	N/A	N/A	Fresh	Good
BRISE DU NORD	-	Moderately Susceptible	-	-	Susceptible	-	Moderately Susceptible	-	-	N/A	Very Good	N/A	Good	Table	Good
BUTTE	Susceptible	Moderately Susceptible	Moderately Susceptible	-	-	-	Resistant	-	-	Good	Fair	N/A	Fair	Fresh	Fair
CAESAR	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Fresh	Good
CALWHITE	-	Moderately Susceptible	Moderately Resistant	-	-	Susceptible	Resistant	Resistant	Resistant	Good	Good	N/A	N/A	Table	Good
CARIBE	-	-	Susceptible	-	-	-	-	-	-	Good	Good	Fair	Fair	Early Fresh	Poor
CARLINGFORD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
CARLTON	-	-	-	-	-	-	-	-	-	N/A	Fair	N/A	N/A	Early Fresh	N/A
CASCADE	Moderately Resistant	Moderately Resistant	Highly Susceptible	-	Resistant	-	Tolerant	-	-	Good	Good	N/A	Excellent Early	French Fries Early Season	Fair
CENTURY RUSSET	-	Highly Resistant	Highly Susceptible	-	-	Highly Susceptible	Tolerant	Tolerant	-	Good	Good	N/A	N/A	Fresh	Fair

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N/A Information not available

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
ALPHA	Very Late	Oval	Shallow	Yellow	Light Yellow	High	Medium	Very Susceptible	-	-	Very Susceptible	*	Susceptible	Susceptible	Susceptible	Moderately Resistant
ALTITUDE	Mid Season	Oblong	Very Shallow	White	White	High	Medium High	-	-	-	-	*	-	-	-	Moderately Resistant
ANDOVER	Early Mid-Season	Round	Shallow	Buff	White	High	Medium High	-	-	-	-	*	Susceptible	-	Resistant	Moderately Resistant
ANSON	Mid Season	Round	Medium	Buff	Creamy White	High	High	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
AQUILON	Mid-season	Round Oval	Medium	White	White	High	High	-	-	-	-	*	-	Susceptible	-	Resistant
ASTERIX	Late	Long	Shallow	Red	Pale Yellow	High	High	Fairly Susceptible	-	Resistant	-	*	-	-	Susceptible	Good Resistance
ATLANTIC	Mid Season	Oval Round	Shallow	Buff	White	High	High	-	-	Highly Resistant	-	*	-	Moderately Resistant	Resistant	Tolerant
BANANA	Late	Banana Shape	Shallow	Pale Yellow	Pale Yellow	Low	Medium	Moderately Resistant	-	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
BELLEISLE	Late	Oval	Shallow	Buff	White	High	High	Susceptible	-	-	Susceptible	*	-	-	Susceptible	Moderately Resistant
BINTJE	Late	Oblong	Shallow	Pale Yellow	Light Yellow	High	Medium	Fairly Resistant	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible
BLUE MAC	Late	Round	Medium	Blue Purple	White	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
BOMBANCE	Mid Season	Long	Shallow	White	White	Very High	Medium High	-	-	-	-	*	-	-	-	Low Susceptibility
BRIGUS	Mid-Season	Oval	Shallow	Blue Purple	Creamy Yellow	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
BRISE DU NORD	Mid-season	Oval	Shallow	Red	White	Very High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
BUTTE	Very Late	Long	Shallow	Light Russet	White	High	High	Susceptible	-	Highly Resistant	Moderately Susceptible	*	Moderately Susceptible	-	Susceptible	Resistant
CAESAR	Medium Late	Oblong	Very Shallow	Yellow	Yellow	Very High	Medium	Moderately Resistant	-	Susceptible	Highly Resistant	*	-	-	Resistant	Susceptible
CALWHITE	Mid-season	Long	Shallow	White	White	Very High	Medium	Susceptible	-	-	Susceptible	*	Moderately Susceptible	Susceptible	-	Susceptible
CARIBE	Very Early	Oblong	Medium	Purple	White	High	Medium	Moderately Resistant	-	-	Very Susceptible	*	-	-	Susceptible	Moderately Resistant
CARLINGFORD	Mid-Season	Round	Shallow to Medium	Buff	White	Medium	Medium to Low	-	-	-	-	*	-	-	Susceptible	-
CARLTON	First Early	Oval	Shallow	Buff	Creamy White	Medium	Low Medium	-	-	Moderately Resistant	-	*	-	-	Susceptible	Susceptible
CASCADE	Mid-season	Oblong	Shallow	White	White	High	High	Highly Resistant	-	Resistant	-	*	-	-	-	Resistant
CENTURY RUSSET	Very Late	Blocky Long	Shallow	Light Russet	White	Very High	Medium High	-	-	Highly Resistant	-	*	Susceptible	-	Susceptible	Moderately Resistant

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Storeability
ALPHA	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Export Seed	Good
ALTITUDE	-	-	-	-	Low Susceptibility	-	Resistant	-	-	Good	Excellent	N/A	N/A	Fresh	Good
ANDOVER	-	Susceptible	-	-	-	-	-	-	Susceptible	Good	Excellent	Excellent	N/A	Chipping	Good
ANSON	-	-	-	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
AQUILON	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	Tolerant	Excellent	Good	Good	N/A	Chip/Table	Good
ASTERIX	-	-	-	-	-	Good Resistance	Good Resistance	Good Resistance	Moderately Resistant	Good	Good	N/A	Excellent	French Frying	Good
ATLANTIC	-	Tolerant	-	Resistant	-	-	Susceptible	-	-	Excellent	Excellent	Good	N/A	Chipping	Good
BANANA	-	-	-	-	-	-	-	-	-	N/A	Good	N/A	N/A	Home Garden	Good
BELLEISLE	-	Highly Susceptible	Highly Resistant	-	-	Highly Resistant	-	-	-	Excellent	Excellent	N/A	Good	Fresh	Good
BINTJE	-	-	-	-	-	-	-	-	-	Excellent	Excellent	Excellent	Excellent	Export Seed	Fair
BLUE MAC	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
BOMBANCE	-	-	-	-	Susceptible	-	Resistant	Low Resistance	-	Good	Good	N/A	N/A	Fresh	Good
BRIGUS	-	-	-	-	Susceptible	-	-	-	-	N/A	Good	N/A	N/A	Fresh	Good
BRISE DU NORD	-	Moderately Susceptible	-	-	Susceptible	-	Moderately Susceptible	-	-	N/A	Very Good	N/A	Good	Table	Good
BUTTE	Susceptible	Moderately Susceptible	Moderately Susceptible	-	-	-	Resistant	-	-	Good	Fair	N/A	Fair	Fresh	Fair
CAESAR	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Fresh	Good
CALWHITE	-	Moderately Susceptible	Moderately Resistant	-	-	Susceptible	Resistant	Resistant	Resistant	Good	Good	N/A	N/A	Table	Good
CARIBE	-	-	Susceptible	-	-	-	-	-	-	Good	Good	Fair	Fair	Early Fresh	Poor
CARLINGFORD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
CARLTON	-	-	-	-	-	-	-	-	-	N/A	Fair	N/A	N/A	Early Fresh	N/A
CASCADE	Moderately Resistant	Moderately Resistant	Highly Susceptible	-	Resistant	-	Tolerant	-	-	Good	Good	N/A	Excellent Early	French Fries Early Season	Fair
CENTURY RUSSET	-	Highly Resistant	Highly Susceptible	-	-	Highly Susceptible	Tolerant	Tolerant	-	Good	Good	N/A	N/A	Fresh	Fair

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
CHEROKEE	Mid-Season	Round	Medium Shallow	Buff	White	High	Medium	-	Immune	-	-	*	-	-	Susceptible	Highly Resistant
CHERRY RED	Mid Season	Oval	Shallow	Red	White	High	Medium	-	-	-	-	*	-	-	-	Moderately Susceptible
CHIEFTAIN	Mid Season	Round Oval	Medium	Bright Red	White	High	Medium	-	Resistant	-	-	*	-	-	Susceptible	Highly Resistant
COASTAL RUSSET	Mid Season	Long	Shallow	Medium Russet	Extremely White	High	Medium	-	-	-	-	*	-	-	Susceptible	Tolerant
CONCURRENT	Early	Oval	Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-		-	-
CONESTOGA	Early	Blocky	Medium	Buff	White	High	Medium	Moderately Resistant	Susceptible	-	Susceptible	*	Moderately Resistant	-	Susceptible	Moderately Resistant
CUPIDS	Medium Late	Oval	Shallow	Slightly Russet	Creamy White	High	Medium	-	-	-	-	*	-	Resistant	Resistant	Susceptible
DAKOTA PEARL	Mid Season	Round	Shallow	White	White	Medium	Medium	-	-	-	Susceptible	*	Susceptible	-	-	Moderately Resistant
DENALI	Late	Oval Oblong	Shallow	Buff	White	High	Very High	-	-	Resistant	-	*	-	-	Susceptible	Moderately Resistant
DÉSIRÉE	Late	Long	Shallow	Light Red	Light Yellow	High	Medium	Moderately Susceptible	-	-	Fairly Resistant	*	-	Resistant	Susceptible	Susceptible
DIVINA	Mid Season	Oval	Shallow	Light Yellow	Medium Yellow	Very High	Medium	Moderately Resistant	Resistant	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Resistant
DUNDROD	Mid Season	Round Oval	Medium Shallow	Light Yellow	White	Medium	Medium	-	-	-	-	*	-	Susceptible	-	-
ENVOL	Early	Oval	Medium	White	White	High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
EPICURE	Very Early	Round	Deep	Buff	Creamy White	High	Medium	Slightly Resistant	Resistant	Immune	-	*	-	-	Susceptible	Susceptible
ERAMOSA	Very Early	Oval	Shallow	Buff	White	High	Medium	Highly Resistant	-	-	Highly Susceptible	*	-	-	Susceptible	Moderately Resistant
ESTIMA	Mid Season	Oval	Shallow	Yellow Smooth	Pale Yellow	High	Medium	Susceptible	Moderately Susceptible	Moderately Susceptible	Moderately Resistant	*	-	Susceptible	Susceptible	Moderately Resistant
FABULA	Late Oval	Medium	Light Yellow	Light Yellow	Very	High	Medium	Resistant	Resistant	-	Resistant	*	-	Susceptible	Resistant	Resistant
FAMBO	Second Early	Oval	Shallow	Pale Yellow	Pale Yellow	High	High	-	-	-	Moderately Susceptible	*	-	-	Susceptible	Fairly Resistant
FRONTIER RUSSET	Mid Season	Oblong Long	Shallow	Light Russet	White	Medium	Medium	-	-	-	-	*	Susceptible	-	Susceptible	Susceptible
FUNDY	Early	Round	Shallow	Buff	White	High	Medium	Susceptible	Susceptible	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
FV9649-6	Mid Season	Oblong	Shallow	Russet	White	Medium	Medium	-	-	-	-	*	Moderately Resistant	-	-	Resistant
GIGANT	Mid Season	Round Oval	Shallow	Pale Yellow	Pale Yellow	Very High	Very High	-	-	-	Highly Resistant	*	-	-	Resistant	Fairly Resistant

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Store-ability
CHEROKEE	Moderately Resistant	-	-	-	-	Resistant	-	-	-	N/A	Good	Good	N/A	Seed	Good
CHERRY RED	-	-	-	-	-	-	Moderately Resistant	Moderately Resistant	-	Excellent	Excellent	N/A	N/A	Fresh	Good
CHIEFTAIN	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Export Seed	Fair
COASTAL RUSSET	-	-	-	Tolerant	-	-	Highly Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
CONCURRENT	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
CONESTOGA	-	-	-	-	-	-	-	-	-	Very Good	Very Good	Fair High TGA	N/A	Fresh	N/A
CUPIDS	-	-	-	-	Moderately Susceptible	-	-	-	-	Good	Very Good	N/A	N/A	Fresh	Good
DAKOTA PEARL	Susceptible	Susceptible	Susceptible	Susceptible	Susceptible	Moderately Resistant	Susceptible	Resistant	Resistant	Good	Good	Good	N/A	Chip/ Table	Good
DENALI	-	-	-	-	Moderately Resistant	-	Tolerant	-	Tolerant	Excellent	Good	Excellent	N/A	Chipping	Good
DÉSIRÉE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Export Seed	Good
DIVINA	-	-	Moderately Resistant	-	-	-	-	Resistant	Resistant	Good	Good	N/A	N/A	Fresh	Good
DUNDROD	-	-	-	-	-	-	-	-	-	Fair	Good	Medium	N/A	Fresh	Good
ENVOL	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	-	Good	Very Good	N/A	N/A	Fresh	Good
EPICURE	-	-	Highly Resistant	-	-	-	-	-	-	N/A	Fair	N/A	N/A	Home Garden	Good
ERAMOSA	-	-	-	-	Highly Resistant	Resistant	Resistant	-	-	N/A	Excellent	N/A	N/A	Fresh	Good
ESTIMA	Highly Susceptible	-	-	-	-	Moderately Resistant	-	Moderately Resistant	Moderately Resistant	Good	Good	N/A	Fair	Fresh	Good
FABULA	-	-	Moderately Susceptible	-	-	-	Resistant	Resistant	Resistant	Fair	Good	N/A	N/A	Fresh	Good
FAMBO	-	-	-	-	-	-	-	-	Good Resistance	Fair	Good	Very Good	N/A	Fresh and Chipping	Good
FRONTIER RUSS ET	-	Highly Resistant	Highly Resistant	-	-	Highly Resistant	Moderately Resistant	Tolerant	-	Good	Good	N/A	Fair	Fresh	Good
FUNDY	-	Highly Susceptible	Susceptible	-	-	Very Susceptible	-	-	-	Excellent	Good	N/A	N/A	Early Fresh	Good
FV9649-6	-	Resistant	-	-	-	-	Resistant	Resistant	-	Good	Good	N/A	N/A	Fresh	Fair
GIGANT	-	-	-	-	-	-	-	-	Good Resistance	Very Good	Good	N/A	N/A	Fresh	Good

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CHEROKEE	Mid-Season	Round	Medium Shallow	Buff	White	High	Medium	-	Immune	-	-	*	-	-	Susceptible	Highly Resistant
CHERRY RED	Mid Season	Oval	Shallow	Red	White	High	Medium	-	-	-	-	*	-	-	-	Moderately Susceptible
CHIEFTAIN	Mid Season	Round Oval	Medium	Bright Red	White	High	Medium	-	Resistant	-	-	*	-	-	Susceptible	Highly Resistant
COASTAL RUSSET	Mid Season	Long	Shallow	Medium Russet	Extremely White	High	Medium	-	-	-	-	*	-	-	Susceptible	Tolerant
CONCURRENT	Early	Oval	Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-		-	-
CONESTOGA	Early	Blocky	Medium	Buff	White	High	Medium	Moderately Resistant	Susceptible	-	Susceptible	*	Moderately Resistant	-	Susceptible	Moderately Resistant
CUPIDS	Medium Late	Oval	Shallow	Slightly Russet	Creamy White	High	Medium	-	-	-	-	*	-	Resistant	Resistant	Susceptible
DAKOTA PEARL	Mid Season	Round	Shallow	White	White	Medium	Medium	-	-	-	Susceptible	*	Susceptible	-	-	Moderately Resistant
DENALI	Late	Oval Oblong	Shallow	Buff	White	High	Very High	-	-	Resistant	-	*	-	-	Susceptible	Moderately Resistant
DÉSIRÉE	Late	Long	Shallow	Light Red	Light Yellow	High	Medium	Moderately Susceptible	-	-	Fairly Resistant	*	-	Resistant	Susceptible	Susceptible
DIVINA	Mid Season	Oval	Shallow	Light Yellow	Medium Yellow	Very High	Medium	Moderately Resistant	Resistant	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Resistant
DUNDROD	Mid Season	Round Oval	Medium Shallow	Light Yellow	White	Medium	Medium	-	-	-	-	*	-	Susceptible	-	-
ENVOL	Early	Oval	Medium	White	White	High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
EPICURE	Very Early	Round	Deep	Buff	Creamy White	High	Medium	Slightly Resistant	Resistant	Immune	-	*	-	-	Susceptible	Susceptible
ERAMOSA	Very Early	Oval	Shallow	Buff	White	High	Medium	Highly Resistant	-	-	Highly Susceptible	*	-	-	Susceptible	Moderately Resistant
ESTIMA	Mid Season	Oval	Shallow	Yellow Smooth	Pale Yellow	High	Medium	Susceptible	Moderately Susceptible	Moderately Susceptible	Moderately Resistant	*	-	Susceptible	Susceptible	Moderately Resistant
FABULA	Late Oval	Medium	Light Yellow	Light Yellow	Very	High	Medium	Resistant	Resistant	-	Resistant	*	-	Susceptible	Resistant	Resistant
FAMBO	Second Early	Oval	Shallow	Pale Yellow	Pale Yellow	High	High	-	-	-	Moderately Susceptible	*	-	-	Susceptible	Fairly Resistant
FRONTIER RUSS ET	Mid Season	Oblong Long	Shallow	Light Russet	White	Medium	Medium	-	-	-	-	*	Susceptible	-	Susceptible	Susceptible
FUNDY	Early	Round	Shallow	Buff	White	High	Medium	Susceptible	Susceptible	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
FV9649-6	Mid Season	Oblong	Shallow	Russet	White	Medium	Medium	-	-	-	-	*	Moderately Resistant	-	-	Resistant
GIGANT	Mid Season	Round Oval	Shallow	Pale Yellow	Pale Yellow	Very High	Very High	-	-	-	Highly Resistant	*	-	-	Resistant	Fairly Resistant

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Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Storage-ability
CHEROKEE	Moderately Resistant	-	-	-	-	Resistant	-	-	-	N/A	Good	Good	N/A	Seed	Good
CHERRY RED	-	-	-	-	-	-	Moderately Resistant	Moderately Resistant	-	Excellent	Excellent	N/A	N/A	Fresh	Good
CHIEFTAIN	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Export Seed	Fair
COASTAL RUSSET	-	-	-	Tolerant	-	-	Highly Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
CONCURRENT	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
CONESTOGA	-	-	-	-	-	-	-	-	-	Very Good	Very Good	Fair High TGA	N/A	Fresh	N/A
CUPIDS	-	-	-	-	Moderately Susceptible	-	-	-	-	Good	Very Good	N/A	N/A	Fresh	Good
DAKOTA PEARL	Susceptible	Susceptible	Susceptible	Susceptible	Susceptible	Moderately Resistant	Susceptible	Resistant	Resistant	Good	Good	Good	N/A	Chip/ Table	Good
DENALI	-	-	-	-	Moderately Resistant	-	Tolerant	-	Tolerant	Excellent	Good	Excellent	N/A	Chipping	Good
DÉSIRÉE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Export Seed	Good
DIVINA	-	-	Moderately Resistant	-	-	-	-	Resistant	Resistant	Good	Good	N/A	N/A	Fresh	Good
DUNDROD	-	-	-	-	-	-	-	-	-	Fair	Good	Medium	N/A	Fresh	Good
ENVOL	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	-	Good	Very Good	N/A	N/A	Fresh	Good
EPICURE	-	-	Highly Resistant	-	-	-	-	-	-	N/A	Fair	N/A	N/A	Home Garden	Good
ERAMOSA	-	-	-	-	Highly Resistant	Resistant	Resistant	-	-	N/A	Excellent	N/A	N/A	Fresh	Good
ESTIMA	Highly Susceptible	-	-	-	-	Moderately Resistant	-	Moderately Resistant	Moderately Resistant	Good	Good	N/A	Fair	Fresh	Good
FABULA	-	-	Moderately Susceptible	-	-	-	Resistant	Resistant	Resistant	Fair	Good	N/A	N/A	Fresh	Good
FAMBO	-	-	-	-	-	-	-	-	Good Resistance	Fair	Good	Very Good	N/A	Fresh and Chipping	Good
FRONTIER RUSS ET	-	Highly Resistant	Highly Resistant	-	-	Highly Resistant	Moderately Resistant	Tolerant	-	Good	Good	N/A	Fair	Fresh	Good
FUNDY	-	Highly Susceptible	Susceptible	-	-	Very Susceptible	-	-	-	Excellent	Good	N/A	N/A	Early Fresh	Good
FV9649-6	-	Resistant	-	-	-	-	Resistant	Resistant	-	Good	Good	N/A	N/A	Fresh	Fair
GIGANT	-	-	-	-	-	-	-	-	Good Resistance	Very Good	Good	N/A	N/A	Fresh	Good

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
GOLDRUSH	Mid Season	Oblong Long	Shallow	Russet	Very White	High	Medium High	Susceptible	Susceptible	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Resistant
GR MOUNTAIN	Late	Oblong	Medium	Buff	White	High	High	Highly Susceptible	-	-	Highly Susceptible	*	-	-	Susceptible	Highly Susceptible
HILITE RUSSET	Early	Long	Shallow	Light Russet	White	Medium High	Medium	Resistant	-	-	Susceptible	*	Susceptible	-	Resistant	Highly Resistant
INNOVATOR	Medium Early	Long Oval	Shallow	Yellow	Pale Yellow	High	Medium	Good Resistance	-	Moderately Resistant	Moderately Resistant	*	-	-	Resistant	Moderately Resistant
IRISH COBBLER	Early	Round	Deep	Buff	White	Medium	High	Susceptible	Resistant	Susceptible	Highly Susceptible	*	-	Susceptible	Susceptible	Susceptible
ISLAND SUNSHINE	Very Late	Round Oval	Medium Shallow	Pale Yellow	Bright Yellow	High	High	-	-	-	-	*	-	-	-	-
JEMSEG	Very Early	Short Oblong	Shallow	Buff	White	Medium	Medium	Susceptible	Highly Resistant	Immune	Highly Resistant	*	-	Moderately Resistant	Susceptible	Highly Susceptible
KANONA	Mid Season	Round	Medium Shallow	Buff	White	Medium High	Medium	-	-	-	-	*	Moderately Susceptible	-	Resistant	Moderately Susceptible
KATAHDIN	Late	Round	Shallow	Buff	White	High	Medium	Moderately Resistant	Highly Resistant	Resistant	Moderately Resistant	*	-	-	Susceptible	Susceptible
KENNEBEC	Mid Season	Oblong	Shallow	Buff	White	High	Medium High	-	Resistant	Resistant	Resistant	*	-	Moderately Resistant	Susceptible	Susceptible
KESWICK	Mid Season	Round Oblong	Medium	Buff	White	High	Medium	-	Highly Resistant	-	Highly Susceptible	*	-	-	Susceptible	Susceptible
KRANTZ	Mid Season	Oblong	Shallow	Russet	White	High	Medium	-	-	Susceptible	-	*	Susceptible	-	Susceptible	Highly Resistant
LADY ROSETTA	Mid-Season	Round	Fairly Shallow	Red	Pale Yellow	Very High	Very High	-	Immune	Immune	Resistant	*	-	-	Resistant	Fairly Resistant
LILI	Late	Oval Oblong	Shallow	Yellow	Cream	Very High	High	-	-	-	Highly Susceptible	*	-	-	Resistant	Moderately Susceptible
MAINECHIP	Mid Season	Round	Shallow	Buff	White	Medium	Very High	-	-	-	-	*	-	-	Susceptible	-
MARIS BARD	Early Mid-Season	Oval Oblong	Shallow	Buff	White	High	Medium	-	-	-	Good Resistant	*	-	-	Susceptible	-
MATILDA	Mid Season	Oval	Shallow	Yellow	Medium Yellow	High	Medium High	-	-	-	Moderately Susceptible	*	-	-	Susceptible	Susceptible
McINTYRE	Very Late	Oblong	Deep	Buff	Light Cream	Medium	High	-	-	-	-	*	-	-	Susceptible	Moderately Resistant
MIRTON PEARL	Early Mid-season	Round	Medium	Buff	White	Very High	High	-	-	-	-	*	-	Resistant	Susceptible	Moderately Resistant
MONDIAL	Late	Oblong	Shallow	Yellow	Light Yellow	Very High	Medium	Susceptible	Resistant	Resistant	-	*	-	Susceptible	Resistant	Susceptible
MONONA	Mid Season	Oblong	Medium	Buff	White	Medium	Medium Low	Moderately Susceptible	Resistant	-	Moderately Resistant	*	-	-	Susceptible	Susceptible
MORENE	Late	Oblong	Shallow	Pale Yellow	Cream	High	High	Moderately Resistant	Immune	Moderately Resistant	Susceptible	*	-	-	Resistant	Resistant

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Storeability
GOLDRUSH	-	Fairly Resistant	Susceptible	-	-*	Fairly Resistant	Highly Resistant	Resistant	Fairly Resistant	Excellent	Excellent	N/A	Good	Fresh	Good
GR MOUNTAIN	Moderately Resistant	Moderately Resistant	Resistant	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
HILITE RUSSET	-	Susceptible	-	-	-	-	Resistant	Highly Resistant	-	Good	Good	N/A	Good	Fresh	Good
INNOVATOR	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good	Fresh French Fry	Good
IRISH COBBLER	Moderatley Resistant	Highly Susceptible	Moderately Resistant	-	-	-	-	-	-	N/A	Good	Good	N/A	Early Fresh	Good
ISLAND SUNSHINE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
JEMSEG	-	Susceptible	-	-	-	-	Very Susceptible	-	-	Good	Good	Fair	N/A	Early Fresh	Good
KANONA	-	Moderately Susceptible	-	-	-	-	Highly Resistant	-	-	Good	Good	Good	N/A	Chipping	Good
KATAHDIN	-	-	-	-	-	-	-	-	Tolerant	N/A	Good	N/A	N/A	Fresh	Excellent
KENNEBEC	Moderately Resistant	Highly Susceptible	-	Highly Susceptible	-	-	-	-	Tolerant	Excellent	Excellent	Good	N/A	Fresh	Good
KESWICK	-	-	Highly Susceptible	-	-	Highly Susceptible	Highly Resistant	-	-	Good	Good	N/A	N/A	Early Fresh	Good
KRANTZ	-	Moderately Resistant	-	-	-	-	Highly Resistant	-	-	Excellent	Good	N/A	Excellent	French Frying	Good
LADY ROSETTA	-	-	-	-	-	-	-	-	-	Good	Very Good	Very Good	N/A	Chipping	Good
LILI	-	-	-	-	-	-	Fairly Resistant	-	-	Good	Good	Some Potential	Some Potential	Fresh	Good
MAINECHIP	-	Moderately Resistant	-	-	Moderately Resistant	Moderately Resistant	Moderately Susceptible	-	-	Excellent	Excellent	Excellent	-	Chipping	Fair
MARIS BARD	-	-	-	-	-	-	-	-	Good Resistance	Fairly Good	Fairly Good	N/A	N/A	Early Fresh	Good
MATILDA	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
McINTYRE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Home Garden	Good
MIRTON PEARL	-	-	-	-	-	Fairly Resistant	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
MONDIAL	Moderately Resistant	-	Susceptible	-	-	Susceptible	-	Resistant	-	Good	Good	N/A	N/A	Fresh	Good
MONONA	Susceptible	Moderately Resistant	Moderately Susceptible	-	-	-	-	-	-	Good	Good	Good Excellent	N/A	Chipping	Good
MORENE	-	-	-	-	-	Fairly Resistant	-	-	Tolerant	Good	Good	N/A	Good	French Frying	Good

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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
GOLDRUSH	Mid Season	Oblong Long	Shallow	Russet	Very White	High	Medium High	Susceptible	Susceptible	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Resistant
GR MOUNTAIN	Late	Oblong	Medium	Buff	White	High	High	Highly Susceptible	-	-	Highly Susceptible	*	-	-	Susceptible	Highly Susceptible
HILITE RUSSET	Early	Long	Shallow	Light Russet	White	Medium High	Medium	Resistant	-	-	Susceptible	*	Susceptible	-	Resistant	Highly Resistant
INNOVATOR	Medium Early	Long Oval	Shallow	Yellow	Pale Yellow	High	Medium	Good Resistance	-	Moderately Resistant	Moderately Resistant	*	-	-	Resistant	Moderately Resistant
IRISH COBBLER	Early	Round	Deep	Buff	White	Medium	High	Susceptible	Resistant	Susceptible	Highly Susceptible	*	-	Susceptible	Susceptible	Susceptible
ISLAND SUNSHINE	Very Late	Round Oval	Medium Shallow	Pale Yellow	Bright Yellow	High	High	-	-	-	-	*	-	-	-	-
JEMSEG	Very Early	Short Oblong	Shallow	Buff	White	Medium	Medium	Susceptible	Highly Resistant	Immune	Highly Resistant	*	-	Moderately Resistant	Susceptible	Highly Susceptible
KANONA	Mid Season	Round	Medium Shallow	Buff	White	Medium High	Medium	-	-	-	-	*	Moderately Susceptible	-	Resistant	Moderately Susceptible
KATAHDIN	Late	Round	Shallow	Buff	White	High	Medium	Moderately Resistant	Highly Resistant	Resistant	Moderately Resistant	*	-	-	Susceptible	Susceptible
KENNEBEC	Mid Season	Oblong	Shallow	Buff	White	High	Medium High	-	Resistant	Resistant	Resistant	*	-	Moderately Resistant	Susceptible	Susceptible
KESWICK	Mid Season	Round Oblong	Medium	Buff	White	High	Medium	-	Highly Resistant	-	Highly Susceptible	*	-	-	Susceptible	Susceptible
KRANTZ	Mid Season	Oblong	Shallow	Russet	White	High	Medium	-	-	Susceptible	-	*	Susceptible	-	Susceptible	Highly Resistant
LADY ROSETTA	Mid-Season	Round	Fairly Shallow	Red	Pale Yellow	Very High	Very High	-	Immune	Immune	Resistant	*	-	-	Resistant	Fairly Resistant
LILI	Late	Oval Oblong	Shallow	Yellow	Cream	Very High	High	-	-	-	Highly Susceptible	*	-	-	Resistant	Moderately Susceptible
MAINECHIP	Mid Season	Round	Shallow	Buff	White	Medium	Very High	-	-	-	-	*	-	-	Susceptible	-
MARIS BARD	Early Mid-Season	Oval Oblong	Shallow	Buff	White	High	Medium	-	-	-	Good Resistant	*	-	-	Susceptible	-
MATILDA	Mid Season	Oval	Shallow	Yellow	Medium Yellow	High	Medium High	-	-	-	Moderately Susceptible	*	-	-	Susceptible	Susceptible
McINTYRE	Very Late	Oblong	Deep	Buff	Light Cream	Medium	High	-	-	-	-	*	-	-	Susceptible	Moderately Resistant
MIRTON PEARL	Early Mid-season	Round	Medium	Buff	White	Very High	High	-	-	-	-	*	-	Resistant	Susceptible	Moderately Resistant
MONDIAL	Late	Oblong	Shallow	Yellow	Light Yellow	Very High	Medium	Susceptible	Resistant	Resistant	-	*	-	Susceptible	Resistant	Susceptible
MONONA	Mid Season	Oblong	Medium	Buff	White	Medium	Medium Low	Moderately Susceptible	Resistant	-	Moderately Resistant	*	-	-	Susceptible	Susceptible
MORENE	Late	Oblong	Shallow	Pale Yellow	Cream	High	High	Moderately Resistant	Immune	Moderately Resistant	Susceptible	*	-	-	Resistant	Resistant

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Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Store-ability
GOLDRUSH	-	Fairly Resistant	Susceptible	-	-	Fairly Resistant	Highly Resistant	Resistant	Fairly Resistant	Excellent	Excellent	N/A	Good	Fresh	Good
GR MOUNTAIN	Moderately Resistant	Moderately Resistant	Resistant	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
HILITE RUSSET	-	Susceptible	-	-	-	-	Resistant	Highly Resistant	-	Good	Good	N/A	Good	Fresh	Good
INNOVATOR	-	-	-	-	-	-	-	-	-	Good	Good	N/A	Good	Fresh French Fry	Good
IRISH COBBLER	Moderatley Resistant	Highly Susceptible	Moderately Resistant	-	-	-	-	-	-	N/A	Good	Good	N/A	Early Fresh	Good
ISLAND SUNSHINE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
JEMSEG	-	Susceptible	-	-	-	-	Very Susceptible	-	-	Good	Good	Fair	N/A	Early Fresh	Good
KANONA	-	Moderately Susceptible	-	-	-	-	Highly Resistant	-	-	Good	Good	Good	N/A	Chipping	Good
KATAHDIN	-	-	-	-	-	-	-	-	Tolerant	N/A	Good	N/A	N/A	Fresh	Excellent
KENNEBEC	Moderately Resistant	Highly Susceptible	-	Highly Susceptible	-	-	-	-	Tolerant	Excellent	Excellent	Good	N/A	Fresh	Good
KESWICK	-	-	Highly Susceptible	-	-	Highly Susceptible	Highly Resistant	-	-	Good	Good	N/A	N/A	Early Fresh	Good
KRANTZ	-	Moderately Resistant	-	-	-	-	Highly Resistant	-	-	Excellent	Good	N/A	Excellent	French Frying	Good
LADY ROSETTA	-	-	-	-	-	-	-	-	-	Good	Very Good	Very Good	N/A	Chipping	Good
LILI	-	-	-	-	-	-	Fairly Resistant	-	-	Good	Good	Some Potential	Some Potential	Fresh	Good
MAINECHIP	-	Moderately Resistant	-	-	Moderately Resistant	Moderately Resistant	Moderately Susceptible	-	-	Excellent	Excellent	Excellent	-	Chipping	Fair
MARIS BARD	-	-	-	-	-	-	-	-	Good Resistance	Fairly Good	Fairly Good	N/A	N/A	Early Fresh	Good
MATILDA	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
McINTYRE	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Home Garden	Good
MIRTON PEARL	-	-	-	-	-	Fairly Resistant	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
MONDIAL	Moderately Resistant	-	Susceptible	-	-	Susceptible	-	Resistant	-	Good	Good	N/A	N/A	Fresh	Good
MONONA	Susceptible	Moderately Resistant	Moderately Susceptible	-	-	-	-	-	-	Good	Good	Good Excellent	N/A	Chipping	Good
MORENE	-	-	-	-	-	Fairly Resistant	-	-	Tolerant	Good	Good	N/A	Good	French Frying	Good

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MORNING GOLD	Late	Oval	Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-	-	-	-
MOURASKA	Mid Season	Round Oval	Shallow	Buff	White	High	Low	-	-	-	-	*	-	-	Resistant	Highly Susceptible
NAVAN	Late	Oval	Shallow	Buff	Cream	Good	Medium	-	-	-	-	*	-	-	Resistant	-
NIPIGON	Late	Oblong	Shallow	Buff	White	Very High	High	Moderately Susceptible	-	Resistant	Resistant	*	-	-	Susceptible	Moderately Susceptible
NISKA	Mid Season	Oval Oblong	Deep	Buff	White	Medium	High	Moderately Resistant	-	-	Susceptible	*	Moderately Resistant	-	Susceptible	Resistant
NL10-RBK	Very Late	Long	Shallow	Russet	White	High	High	-	-	-	Highly Susceptible	*	-	-	Susceptible	Resistant
NL10-SUP	Early Mid-season	Oval	Medium Shallow	Buff	White	High	Medium	Susceptible	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Moderately Resistant
NL20-SHE	Mid Season	Long	Medium Shallow	Buff	White	Medium High	High	Susceptible	-	-	Genetically Resistant	*	-	-	Susceptible	Susceptible
NL30-RBK	Very Late	Long	Shallow	Russet	White	High	High	Resistant	-	-	Susceptible	*	-	-	Susceptible	Resistant
NOOKSACK	Late	Oblong	Shallow	Russet	White	Medium	Very High	-	-	-	Resistant	*	Fairly Resistant	-	Susceptible	Very Resistant
NORCHIP	Mid Season	Round	Medium	Buff	White	Medium	Medim High	-	-	-	-	*	-	-	Susceptible	Resistant
NORGOLD RUSSET	Early	Oblong Long	Shallow	Netted	White	Medium	Medium	-	-	-	-	*	-	-	Susceptible	Highly Resistant
NORKING RUSSET	Medium Late	Oblong	Shallow	Russet	White	Medium High	High	-	-	-	-	*	Susceptible	-	Susceptible	Resistant
NORLAND	Early Mid-season	Oblong	Shallow	Red	White	Medium	Medium	Moderately Resistant	Highly Resistant	-	Moderately Resistant	*	-	Moderately Resistant	Susceptible	Moderately Resistant
NORVALLEY	Mid Season	Round Oblong	Shallow	White	White	High	Medium High	-	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Highly Resistant
NORWIS	Mid Season	Oval	Medium	Buff	Pale Yellow	High	Medium	Moderately Resistant	Moderately Resistant	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Very Susceptible
OBELIX	Medium Late	Oval	Shallow	Yellow	Light Yellow	Very High	Fairly Low	-	Good Resistance	-	-	*	-	-	Resistant	-
ONAWAY	Early	Round	Deep	Cream	White	High	Medium	-	Very Resistant	-	-	*	Susceptible	-	Susceptible	Resistant
PENTA	Mid Season	Oval Round	Shallow	Yellow Smooth	Light Yellow	High	Medium	Moderately Resistant	-	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Resistant
PERIBONKA	Early Mid-season	Long	Very Shallow	Tan	White	High	Medium High	-	-	-	-	*	-	-	-	Low Resistance
PINK PEARL	Late	Oval	Shallow	Pink	White	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
RANGER RUSSET	Very Late	Long	Medium	Russet	White	High	High	-	-	Resistant	Resistant	*	-	-	Susceptible	Susceptible

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MORNING GOLD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
MOURASKA	-	-	-	-	-	-	Susceptible	-	-	N/A	Good	Early Chipping	N/A	Fresh	Good
NAVAN	-	-	-	-	-	-	-	-	Good Resistance	Good	Good	N/A	N/A	Fresh	Good
NIPIGON	Moderately Resistant	Susceptible	-	-	Moderately Resistant	Susceptible	Susceptible	-	-	Good	Good	N/A	N/A	Fresh	Good
NISKA	-	-	-	-	-	-	-	-	Tolerant	Good	Good	Excellent	N/A	Chipping	Good
NL10-RBK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
NL10-SUP	Susceptible	-	-	-	-	-	-	-	-	Good	Good	Good	N/A	Early Fresh	Good
NL20-SHE	-	Moderate Resistance	Moderate Resistance	-	Moderate Resistance	-	Resistant	Resistant	-	Very Good	Very Good	N/A	Excellent	French Fry	Good
NL30-RBK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Fry	Good
NOOKSACK	-	-	Susceptible	-	Moderately Resistant	Resistant	Resistant	Very Resistant	-	Good	Good	N/A	N/A	Fresh	Good
NORCHIP	-	-	-	-	-	-	-	-	Highly Susceptible	Good	Good	Excellent	N/A	Chipping	Good
NORGOLD RUSSET	-	Susceptible	-	-	-	-	Very Susceptible	-	Highly Susceptible	Good	Good	N/A	N/A	Early Fresh	Good
NORKING RUSSET	-	Resistant	-	-	-	-	Moderately Susceptible	-	-	Good	Good	N/A	Fair	Fresh	Good
NORLAND	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Fresh	Good
NORVALLEY	-	Susceptible	Susceptible	-	-	Highly Resistant	Highly Resistant	-	-	Excellent	Good	Excellent	N/A	Chipping	Good
NORWIS	-	Susceptible	-	Susceptible	-	-	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
OBELIX	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
ONAWAY	-	Susceptible	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Early Fresh	Poor
PENTA	Moderately Susceptible	-	-	-	-	Moderately Resistant	-	-	Good Resistance	Good	Good	N/A	N/A	Fresh	Good
PERIBONKA	-	-	-	-	Low Resistance	Low Resistance	Low Resistance	Low Resistance	-	Good	Excellent	N/A	Excellent	Fresh/Fries	Good
PINK PEARL	Moderately Resistant	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
RANGER RUSSET	-	Moderately Resistant	Moderately Resistant	-	-	Moderately Susceptible	Highly Resistant	-	-	Excellent	Good	N/A	Fair	French Frying	Good

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The information on disease resistance for European varieties has been derived from European Literature

For further information on potato varieties consult the publication "Potato Varieties in Canada" - ISBN 0-888-36-834-9

POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
MORNING GOLD	Late	Oval	Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-	-	-	-
MOURASKA	Mid Season	Round Oval	Shallow	Buff	White	High	Low	-	-	-	-	*	-	-	Resistant	Highly Susceptible
NAVAN	Late	Oval	Shallow	Buff	Cream	Good	Medium	-	-	-	-	*	-	-	Resistant	-
NIPIGON	Late	Oblong	Shallow	Buff	White	Very High	High	Moderately Susceptible	-	Resistant	Resistant	*	-	-	Susceptible	Moderately Susceptible
NISKA	Mid Season	Oval Oblong	Deep	Buff	White	Medium	High	Moderately Resistant	-	-	Susceptible	*	Moderately Resistant	-	Susceptible	Resistant
NL10-RBK	Very Late	Long	Shallow	Russet	White	High	High	-	-	-	Highly Susceptible	*	-	-	Susceptible	Resistant
NL10-SUP	Early Mid-season	Oval	Medium Shallow	Buff	White	High	Medium	Susceptible	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Moderately Resistant
NL20-SHE	Mid Season	Long	Medium Shallow	Buff	White	Medium High	High	Susceptible	-	-	Genetically Resistant	*	-	-	Susceptible	Susceptible
NL30-RBK	Very Late	Long	Shallow	Russet	White	High	High	Resistant	-	-	Susceptible	*	-	-	Susceptible	Resistant
NOOKSACK	Late	Oblong	Shallow	Russet	White	Medium	Very High	-	-	-	Resistant	*	Fairly Resistant	-	Susceptible	Very Resistant
NORCHIP	Mid Season	Round	Medium	Buff	White	Medium	Medim High	-	-	-	-	*	-	-	Susceptible	Resistant
NORGOLD RUSSET	Early	Oblong Long	Shallow	Netted	White	Medium	Medium	-	-	-	-	*	-	-	Susceptible	Highly Resistant
NORKING RUSSET	Medium Late	Oblong	Shallow	Russet	White	Medium High	High	-	-	-	-	*	Susceptible	-	Susceptible	Resistant
NORLAND	Early Mid-season	Oblong	Shallow	Red	White	Medium	Medium	Moderately Resistant	Highly Resistant	-	Moderately Resistant	*	-	Moderately Resistant	Susceptible	Moderately Resistant
NORVALLEY	Mid Season	Round Oblong	Shallow	White	White	High	Medium High	-	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Highly Resistant
NORWIS	Mid Season	Oval	Medium	Buff	Pale Yellow	High	Medium	Moderately Resistant	Moderately Resistant	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Very Susceptible
OBELIX	Medium Late	Oval	Shallow	Yellow	Light Yellow	Very High	Fairly Low	-	Good Resistance	-	-	*	-	-	Resistant	-
ONAWAY	Early	Round	Deep	Cream	White	High	Medium	-	Very Resistant	-	-	*	Susceptible	-	Susceptible	Resistant
PENTA	Mid Season	Oval Round	Shallow	Yellow Smooth	Light Yellow	High	Medium	Moderately Resistant	-	Resistant	Moderately Resistant	*	-	Susceptible	Resistant	Resistant
PERIBONKA	Early Mid-season	Long	Very Shallow	Tan	White	High	Medium High	-	-	-	-	*	-	-	-	Low Resistance
PINK PEARL	Late	Oval	Shallow	Pink	White	High	Medium	-	-	-	-	*	-	Resistant	Susceptible	Susceptible
RANGER RUSSET	Very Late	Long	Medium	Russet	White	High	High	-	-	Resistant	Resistant	*	-	-	Susceptible	Susceptible

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible

* The relative resistance of potato varieties to the new strains of Late Blight, now prevalent in the region, is not well documented at this time

** The reaction to wart disease refers only to NFLD

N/A Information not available

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Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Store-ability
MORNING GOLD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
MOURASKA	-	-	-	-	-	-	Susceptible	-	-	N/A	Good	Early Chipping	N/A	Fresh	Good
NAVAN	-	-	-	-	-	-	-	-	Good Resistance	Good	Good	N/A	N/A	Fresh	Good
NIPIGON	Moderately Resistant	Susceptible	-	-	Moderately Resistant	Susceptible	Susceptible	-	-	Good	Good	N/A	N/A	Fresh	Good
NISKA	-	-	-	-	-	-	-	-	Tolerant	Good	Good	Excellent	N/A	Chipping	Good
NL10-RBK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
NL10-SUP	Susceptible	-	-	-	-	-	-	-	-	Good	Good	Good	N/A	Early Fresh	Good
NL20-SHE	-	Moderate Resistance	Moderate Resistance	-	Moderate Resistance	-	Resistant	Resistant	-	Very Good	Very Good	N/A	Excellent	French Fry	Good
NL30-RBK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Fry	Good
NOOKSACK	-	-	Susceptible	-	Moderately Resistant	Resistant	Resistant	Very Resistant	-	Good	Good	N/A	N/A	Fresh	Good
NORCHIP	-	-	-	-	-	-	-	-	Highly Susceptible	Good	Good	Excellent	N/A	Chipping	Good
NORGOLD RUSSET	-	Susceptible	-	-	-	-	Very Susceptible	-	Highly Susceptible	Good	Good	N/A	N/A	Early Fresh	Good
NORKING RUSSET	-	Resistant	-	-	-	-	Moderately Susceptible	-	-	Good	Good	N/A	Fair	Fresh	Good
NORLAND	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Fresh	Good
NORVALLEY	-	Susceptible	Susceptible	-	-	Highly Resistant	Highly Resistant	-	-	Excellent	Good	Excellent	N/A	Chipping	Good
NORWIS	-	Susceptible	-	Susceptible	-	-	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
OBELIX	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
ONAWAY	-	Susceptible	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Early Fresh	Poor
PENTA	Moderately Susceptible	-	-	-	-	Moderately Resistant	-	-	Good Resistance	Good	Good	N/A	N/A	Fresh	Good
PERIBONKA	-	-	-	-	Low Resistance	Low Resistance	Low Resistance	Low Resistance	-	Good	Excellent	N/A	Excellent	Fresh/Fries	Good
PINK PEARL	Moderately Resistant	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
RANGER RUSSET	-	Moderately Resistant	Moderately Resistant	-	-	Moderately Susceptible	Highly Resistant	-	-	Excellent	Good	N/A	Fair	French Frying	Good

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible
- * The relative resistance of potato varieties to the new strains of Late Blight, now prevalent in the region, is not well documented at this time
- ** The reaction to wart disease refers only to NFLD
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POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
RED GOLD	Early Mid-Season	Round	Shallow	Medium Red	Bright Yellow	Medium	Medium	Moderately Resistant	Moderately Susceptible	-	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
RED LA SODA	Mid Season	Round Oval	Medium	Bright Red	White	High	Medium	-	-	-	-	*	Moderately Resistant	-	Susceptible	Susceptible
RED PONTIAC	Mid Season	Oblong Round	Deep	Red	White	High	Medium	Susceptible	Susceptible	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
REDSEN	Medium Early	Round Oblong	Shallow	Bright Red	White	Medium	Medium	-	-	-	-	*	-	Susceptible	Susceptible	Moderately Resistant
RIDEAU	Late	Round	Shallow	Bright Red	Very White	High	Medium	Moderately Resistant	Moderately Resistant	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
ROCKET	Early Mid-Season	Round to Short Oval	Medium Shallow	Buff	White	High	Medium	-	-	-	-	*	-	-	Susceptible	-
ROSELYS	Mid-Season	Oval to Oblong	Shallow	Rose	White	Very High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
RUSS BURBANK	Very Late	Long	Shallow	Russet	White	High	High	-	-	-	Highly Susceptible	*	-	-	Susceptible	Resistant
RUSS NORKOTAH	Mid Season	Long	Shallow	Russet	White	High	Medium	Susceptible	-	-	Susceptible	*	Susceptible	-	Susceptible	Resistant
SAGINAW GOLD	Medium Late	Oval	Shallow	Creamy Yellow	Pale Yellow	Medium	Medium High	Resistant	-	Resistant	Resistant	*	-	-	Susceptible	Susceptible
SANGRE	Mid Season	Oval Oblong	Shallow	Red	White	High	Medium	-	-	-	-	*	Susceptible	-	Susceptible	Susceptible
SANTÉ	Medium Late	Oval	Shallow	Pale Yellow	Pale Yellow	High	High	Moderately Resistant	Resistant	Resistant	Resistant	*	-	Susceptible	Resistant	Moderately Resistant
SAXON	Mid-Season	Round-Oval	Medium Shallow	Buff	Cream to PaleYellow	High	Medium	Good Resistance	-	-	-	*	-	-	Susceptible	-
SEBAGO	Very Late	Round	Shallow	Buff	White	High	Medium	-	Highly Resistant	Moderately Resistant	Moderately Resistant	*	Moderately Resistant	Moderately Resistant	Susceptible	Moderately Resistant
SELMA	Medium Early	Oval Long	Shallow	Yellow	Yellow	Medium High	Medium	-	Highly Resistant	-	Resistant	*	Moderately Resistant	-	-	Highly Resistant
SHEPODY	Mid Season	Long	Medium	Buff	White	Medium High	High	Susceptible	-	-	Highly Susceptible	*	-	-	Susceptible	Susceptible
SIERRA	Very Late	Oval	Medium Shallow	Buff	Cream to Pale Yellow	High	Medium High	Highly Resistant	-	-	-	*	-	-	Resistant	-
SNOWDEN	Late	Round	Medium Shallow	Buff	White	High	High	-	-	-	-	*	-	-	Susceptible	Resistant
SUNRISE	Medium Early	Round Oblong	Medium Shallow	Buff	White	High	High	Susceptible	-	Resistant	Susceptible	*	Susceptible	-	Resistant	Moderately Resistant
SUPERIOR	Early Mid-season	Round	Medium	Buff	White	Medium	Medium	-	-	-	Highly Susceptible	*	-	-	Susceptible	Moderately Resistant
TOBIQUE	Early	Oblong	Medium	Tan Pink	White	High	Medium	-	-	Susceptible	-	*	-	-	Susceptible	Susceptible
TOLAAS	Mid Season	Oblong	Shallow	Tan	White	High	Medium	Susceptible	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Highly Resistant

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible.

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Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Storability
RED GOLD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Export Seed	Fair
RED LA SODA	-	-	-	-	-	-	Slightly Susceptible	-	Tolerant	Fair	Fair	N/A	N/A	Export Seed	Good
RED PONTIAC	-	-	-	-	-	Susceptible	-	-	Tolerant	Fair	Fair	N/A	N/A	Export Seed	Good
REDSEN	-	-	Moderately Susceptible	-	-	Moderately Susceptible	-	-	-	Excellent	Fair	Good-Fair	N/A	Fresh	Fair
RIDEAU	-	Highly Resistant	-	-	-	-	-	-	-	Good	Excellent	N/A	N/A	Fresh	Good
ROCKET	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	Good
ROSELYS	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	-	N/A	Very Good	N/A	Very Good	Fresh and French Fry	Good
RUSS BURBANK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
RUSS NORKOTAH	-	Highly Susceptible	-	-	-	-	Resistant	-	-	Good	Fair	N/A	N/A	Fresh	Good
SAGINAW GOLD	-	-	-	-	-	-	Resistant	-	-	Good	Good	Excellent	N/A	Chipping	Good
SANGRE	-	Susceptible	-	-	-	-	Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
SANTÉ	Moderately Susceptible	-	-	-	-	Moderately Resistant	-	Susceptible	Moderately Resistant	Good	Good	Good	Good	Seed / Export Fresh	Good
SAXON	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Fresh	Good
SEBAGO	Highly Susceptible	-	Moderately Resistant	-	-	-	-	-	-	Good	Good	Fair	N/A	Export Seed	Good
SELMA	-	-	-	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Excellent
SHEPODY	-	Moderately Resistant	Moderately Resistant	-	Moderately Resistant	-	Resistant	Resistant	-	Very Good	Very Good	N/A	Excellent	French Frying	Good
SIERRA	-	-	-	-	-	-	-	-	-	Good	Good	Fair	Fair	Fresh	Good
SNOWDEN	-	-	-	-	-	Moderately Susceptible	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
SUNRISE	-	Susceptible	Susceptible	-	Susceptible	-	-	-	-	Good	Good	Good	N/A	Early Fresh	Good
SUPERIOR	-	Highly Susceptible	-	-	-	-	-	-	-	Good	Good	Excellent	N/A	Early Fresh	Fair
TOBIQUE	-	Moderately Resistant	Moderately Resistant	-	-	-	-	-	-	Excellent	Excellent	Excellent	N/A	Chipping	Good
TOLAAS	-	Moderately Susceptible	-	-	-	-	Highly Resistant	-	-	Good	Good	N/A	Excellent	French Fries	Very Good

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Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
RED GOLD	Early Mid-Season	Round	Shallow	Medium Red	Bright Yellow	Medium	Medium	Moderately Resistant	Moderately Susceptible	-	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
RED LA SODA	Mid Season	Round Oval	Medium	Bright Red	White	High	Medium	-	-	-	-	*	Moderately Resistant	-	Susceptible	Susceptible
RED PONTIAC	Mid Season	Oblong Round	Deep	Red	White	High	Medium	Susceptible	Susceptible	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
REDSEN	Medium Early	Round Oblong	Shallow	Bright Red	White	Medium	Medium	-	-	-	-	*	-	Susceptible	Susceptible	Moderately Resistant
RIDEAU	Late	Round	Shallow	Bright Red	Very White	High	Medium	Moderately Resistant	Moderately Resistant	Moderately Resistant	Moderately Resistant	*	-	-	Susceptible	Moderately Resistant
ROCKET	Early Mid-Season	Round to Short Oval	Medium Shallow	Buff	White	High	Medium	-	-	-	-	*	-	-	Susceptible	-
ROSELYS	Mid-Season	Oval to Oblong	Shallow	Rose	White	Very High	Medium	-	-	-	-	*	-	Susceptible	-	Susceptible
RUSS BURBANK	Very Late	Long	Shallow	Russet	White	High	High	-	-	-	Highly Susceptible	*	-	-	Susceptible	Resistant
RUSS NORKOTAH	Mid Season	Long	Shallow	Russet	White	High	Medium	Susceptible	-	-	Susceptible	*	Susceptible	-	Susceptible	Resistant
SAGINAW GOLD	Medium Late	Oval	Shallow	Creamy Yellow	Pale Yellow	Medium	Medium High	Resistant	-	Resistant	Resistant	*	-	-	Susceptible	Susceptible
SANGRE	Mid Season	Oval Oblong	Shallow	Red	White	High	Medium	-	-	-	-	*	Susceptible	-	Susceptible	Susceptible
SANTÉ	Medium Late	Oval	Shallow	Pale Yellow	Pale Yellow	High	High	Moderately Resistant	Resistant	Resistant	Resistant	*	-	Susceptible	Resistant	Moderately Resistant
SAXON	Mid-Season	Round-Oval	Medium Shallow	Buff	Cream to PaleYellow	High	Medium	Good Resistance	-	-	-	*	-	-	Susceptible	-
SEBAGO	Very Late	Round	Shallow	Buff	White	High	Medium	-	Highly Resistant	Moderately Resistant	Moderately Resistant	*	Moderately Resistant	Moderately Resistant	Susceptible	Moderately Resistant
SELMA	Medium Early	Oval Long	Shallow	Yellow	Yellow	Medium High	Medium	-	Highly Resistant	-	Resistant	*	Moderately Resistant	-	-	Highly Resistant
SHEPODY	Mid Season	Long	Medium	Buff	White	Medium High	High	Susceptible	-	-	Highly Susceptible	*	-	-	Susceptible	Susceptible
SIERRA	Very Late	Oval	Medium Shallow	Buff	Cream to Pale Yellow	High	Medium High	Highly Resistant	-	-	-	*	-	-	Resistant	-
SNOWDEN	Late	Round	Medium Shallow	Buff	White	High	High	-	-	-	-	*	-	-	Susceptible	Resistant
SUNRISE	Medium Early	Round Oblong	Medium Shallow	Buff	White	High	High	Susceptible	-	Resistant	Susceptible	*	Susceptible	-	Resistant	Moderately Resistant
SUPERIOR	Early Mid-season	Round	Medium	Buff	White	Medium	Medium	-	-	-	Highly Susceptible	*	-	-	Susceptible	Moderately Resistant
TOBIQUE	Early	Oblong	Medium	Tan Pink	White	High	Medium	-	-	Susceptible	-	*	-	-	Susceptible	Susceptible
TOLAAS	Mid Season	Oblong	Shallow	Tan	White	High	Medium	Susceptible	-	Susceptible	Susceptible	*	Susceptible	-	Susceptible	Highly Resistant

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RED GOLD	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Export Seed	Fair
RED LA SODA	-	-	-	-	-	-	Slightly Susceptible	-	Tolerant	Fair	Fair	N/A	N/A	Export Seed	Good
RED PONTIAC	-	-	-	-	-	Susceptible	-	-	Tolerant	Fair	Fair	N/A	N/A	Export Seed	Good
REDSEN	-	-	Moderately Susceptible	-	-	Moderately Susceptible	-	-	-	Excellent	Fair	Good-Fair	N/A	Fresh	Fair
RIDEAU	-	Highly Resistant	-	-	-	-	-	-	-	Good	Excellent	N/A	N/A	Fresh	Good
ROCKET	-	-	-	-	-	-	-	-	-	Fair	Good	N/A	N/A	Early Fresh	Good
ROSELYS	-	Susceptible	-	-	Moderately Susceptible	-	Resistant	-	-	N/A	Very Good	N/A	Very Good	Fresh and French Fry	Good
RUSS BURBANK	Highly Resistant	-	Resistant	-	-	-	Susceptible	Very Susceptible	-	Excellent	Good	N/A	Excellent	French Frying	Good
RUSS NORKOTAH	-	Highly Susceptible	-	-	-	-	Resistant	-	-	Good	Fair	N/A	N/A	Fresh	Good
SAGINAW GOLD	-	-	-	-	-	-	Resistant	-	-	Good	Good	Excellent	N/A	Chipping	Good
SANGRE	-	Susceptible	-	-	-	-	Resistant	-	-	Excellent	Excellent	N/A	N/A	Fresh	Good
SANTÉ	Moderately Susceptible	-	-	-	-	Moderately Resistant	-	Susceptible	Moderately Resistant	Good	Good	Good	Good	Seed / Export Fresh	Good
SAXON	-	-	-	-	-	-	-	-	-	Fair	Fair	N/A	N/A	Fresh	Good
SEBAGO	Highly Susceptible	-	Moderately Resistant	-	-	-	-	-	-	Good	Good	Fair	N/A	Export Seed	Good
SELMA	-	-	-	-	-	-	-	-	-	Excellent	Excellent	N/A	N/A	Fresh	Excellent
SHEPODY	-	Moderately Resistant	Moderately Resistant	-	Moderately Resistant	-	Resistant	Resistant	-	Very Good	Very Good	N/A	Excellent	French Frying	Good
SIERRA	-	-	-	-	-	-	-	-	-	Good	Good	Fair	Fair	Fresh	Good
SNOWDEN	-	-	-	-	-	Moderately Susceptible	-	-	-	Good	Good	Excellent	N/A	Chipping	Good
SUNRISE	-	Susceptible	Susceptible	-	Susceptible	-	-	-	-	Good	Good	Good	N/A	Early Fresh	Good
SUPERIOR	-	Highly Susceptible	-	-	-	-	-	-	-	Good	Good	Excellent	N/A	Early Fresh	Fair
TOBIQUE	-	Moderately Resistant	Moderately Resistant	-	-	-	-	-	-	Excellent	Excellent	Excellent	N/A	Chipping	Good
TOLAAS	-	Moderately Susceptible	-	-	-	-	Highly Resistant	-	-	Good	Good	N/A	Excellent	French Fries	Very Good

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TRUE BLUE	Medium Late	Oblong	Shallow	Purple	Purple	High	Medium	-	-	-	Resistant	*	-	-	-	Susceptible
ULLA	Medium Early	Oval Long	Shallow	Light Red	Yellow	Medium	Medium	-	Highly Resistant	-	Highly Susceptible	*	Highly Resistant	-	-	Moderately Susceptible
UMATILLA RUSSET	Late	Long	Shallow	Russet	White	High	High	Susceptible	-	Resistant	Susceptible	*	Susceptible	-	-	-
VAN GOGH	Late	Oval	Medium Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-	-	Resistant	-
VIKING	Mid Season	Round Oblong	Shallow	Red	White	High	Medium	-	-	-	-	*	-	-	Susceptible	Moderately Resistant
V0123-25	Medium	Oval	Shallow	White	White	High	High	-	-	-	-	*	Moderately Susceptible	-	-	Moderately Resistant
V0168-3	Early	Oblong	Very Shallow	Russet	White	High	Medium	-	-	-	-	*	Moderately Susceptible	-	-	Resistant
WARBA	Very Early	Round	Pink Medium	Buff	White	High	Low	Susceptible	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible
WHITE ROSE	Mid Season	Long	Medium	Buff	White	High	High	Susceptible	-	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
YUKON	Mid Season	Oval	Pink Shallow	Yellow Buff	Light Yellow	High	High	Moderately Resistant	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Store-ability
TRUE BLUE	-	Resistant	Susceptible	-	Susceptible	Susceptible	Resistant	Resistant	Resistant	Excellent	Good	Excellent	N/A	Fresh	Good
ULLA	-	-	-	-	-	Highly Resistant	-		-	Good	Good	N/A	N/A	Fresh	Excellent
UMATILLA RUSSET	-	Moderately Resistant	-	-	-	Moderately Susceptible	Fairly Resistant	-	-	Good	Good	N/A	Excellent	French Fry	Good
VAN GOGH	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
VIKING	-	-	-	-	-	-	-	-	Tolerant	Good	Excellent	N/A	N/A	Export Seed	Good
V0123-25	-	Moderate Resistance	Susceptible	-	-	Resistant	Resistant	Resistant	-	Good	Good	Excellent	N/A	Chip	Excellent
V0168-3	-	Moderate Resistance	Susceptible	-	-	Moderate Resistance	Resistant	Resistant	-	Excellent	Excellent	Fair	Fair	Early Fresh	N/A
WARBA	Susceptible	Susceptible	Susceptible	-	Highly Susceptible	-	-		-	Good	Good	N/A	N/A	Early Fresh	N/A
WHITE ROSE	Susceptible	Susceptible	Susceptible	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
YUKON	-	-	-	-	-	-	-	-	-	Very Good	Very Good	N/A	N/A	Fresh	Excellent

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible
* The relative resistance of potato varieties to the new strains of Late Blight, now prevalent in the region, is not well documented at this time
** The reaction to wart disease refers only to NFLD
N/A Information not available

The information on private potato varieties is provided by their agents or excluded by their request
The information on disease resistance for European varieties has been derived from European Literature
For further information on potato varieties consult the publication "Potato Varieties in Canada" - ISBN 0-888-38-834-9

POTATO VARIETIES REGISTERED IN CANADA AS OF OCTOBER 1, 2002

Variety	Maturity	Tuber Shape	Eyes	Skin Color	Flesh Color	Yield	Dry Matter	Leaf Roll	Virus A	Virus X	Virus Y	Late Blight	Early Blight	**Wart	Golden Nematode	Common Scab
TRUE BLUE	Medium Late	Oblong	Shallow	Purple	Purple	High	Medium	-	-	-	Resistant	*	-	-	-	Susceptible
ULLA	Meduim Early	Oval Long	Shallow	Light Red	Yellow	Medium	Medium	-	Highly Resistant	-	Highly Susceptible	*	Highly Resistant	-	-	Moderately Susceptible
UMATILLA RUSSET	Late	Long	Shallow	Russet	White	High	High	Susceptible	-	Resistant	Susceptible	*	Susceptible	-	-	-
VAN GOGH	Late	Oval	Medium Shallow	Yellow	Light Yellow	High	High	-	-	-	-	*	-	-	Resistant	-
VIKING	Mid Season	Round Oblong	Shallow	Red	White	High	Medium	-	-	-	-	*	-	-	Susceptible	Moderately Resistant
V0123-25	Medium	Oval	Shallow	White	White	High	High	-	-	-	-	*	Moderately Susceptible	-	-	Moderately Resistant
V0168-3	Early	Oblong	Very Shallow	Russet	White	High	Medium	-	-	-	-	*	Moderately Susceptible	-	-	Resistant
WARBA	Very Early	Round	Pink Medium	Buff	White	High	Low	Susceptible	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible
WHITE ROSE	Mid Season	Long	Medium	Buff	White	High	High	Susceptible	-	Susceptible	Susceptible	*	-	-	Susceptible	Susceptible
YUKON	Mid Season	Oval	Pink Shallow	Yellow Buff	Light Yellow	High	High	Moderately Resistant	Highly Resistant	-	Susceptible	*	-	-	Susceptible	Susceptible

Variety	Black Leg	Verticillium Wilt	Fusarium Dry Rot	Pink Eye	Rhizoctonia	Bruising	Hollow Heart	Second Growth	Drought	Baking Quality	Boiling Quality	Chipping Quality	French Frying Quality	Market	Storeability
TRUE BLUE	-	Resistant	Susceptible	-	Susceptible	Susceptible	Resistant	Resistant	Resistant	Excellent	Good	Excellent	N/A	Fresh	Good
ULLA	-	-	-	-	-	Highly Resistant	-	-	-	Good	Good	N/A	N/A	Fresh	Excellent
UMATILLA RUSSET	-	Moderately Resistant	-	-	-	Moderately Susceptible	Fairly Resistant	-	-	Good	Good	N/A	Excellent	French Fry	Good
VAN GOGH	-	-	-	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
VIKING	-	-	-	-	-	-	-	-	Tolerant	Good	Excellent	N/A	N/A	Export Seed	Good
V0123-25	-	Moderate Resistance	Susceptible	-	-	Resistant	Resistant	Resistant	-	Good	Good	Excellent	N/A	Chip	Excellent
V0168-3	-	Moderate Resistance	Susceptible	-	-	Moderate Resistance	Resistant	Resistant	-	Excellent	Excellent	Fair	Fair	Early Fresh	N/A
WARBA	Susceptible	Susceptible	Susceptible	-	Highly Susceptible	-	-	-	-	Good	Good	N/A	N/A	Early Fresh	N/A
WHITE ROSE	Susceptible	Susceptible	Susceptible	-	-	-	-	-	-	Good	Good	N/A	N/A	Fresh	Good
YUKON	-	-	-	-	-	-	-	-	-	Very Good	Very Good	N/A	N/A	Fresh	Excellent

- A dash under a disease resistance means the variety is not resistant or is not particularly susceptible.

* The relative resistance of potato varieties to the new strains of Late Blight, now prevalent in the region, is not well documented at this time.

** The reaction to wart disease refers only to NFLD.

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The information on private potato varieties is provided by their agents or excluded by their request.

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Potato Extension Specialists

Prince Edward Island Department of Agriculture and Forestry
P.O. Box 1600
Charlottetown, P.E.I. C1A 7N3
Tel: (902) 368-4145
toll-free 1-866-734-3276 (PEI FARM)
Fax: (902) 368-5729
www.gov.pe.ca/af/agweb/index.php3

Elite Seed Farm
Fox Island
Alberton R.R#1
C0B 1B0
Tel: (902) 853-2619
Fax: (902) 853-3962

Potato Disinfection
P.O. Box 306
Kensington, P.E.I. C0B 1M0
Tel: (902) 836-8919

Nova Scotia Department of Agriculture and Fisheries
http://www.gov.ns.ca/nsaf/home.htm

Kentville Agriculture Centre,
Kentville, N.S.
B4N 1J5
Tel: (902) 679-6021

Truro, N.S. B2N 5E3
Tel: (902) 893-6600

New Brunswick Department of Agriculture, Fisheries and Aquaculture
www.gnb.ca

Potato Development Centre
39 Barker Lane
Wicklow, N.B. E7L 3S4
Tel: (506) 392-5199
Toll Free: 1-866-778-3762
Fax: (506) 392-5102
www.gnb.ca/0029/10/0029100001-e.asp

Bon Accord Elite Seed Potato Centre
790 Kincardine road
Bon Accord, N.B. E7H 2K8
Tel: (506) 273-4741
Fax: (506) 273-4742
Web address:
www.gnb.ca/0029/10/0029100004-e.asp

Newfoundland Department of Forestry and Agri-Food
Provincial Agriculture Bldg.
P.O. Box 8700
Brookfield Rd.
St-John's , Newfoundland A1B 4J7
Tel: (709) 729-6867
Fax: (709) 729-0205

P.O.Box 340
Pasadena, Newfoundland A0L 1K0
Tel: (709) 686-2596
Web address: www.gov.nf.ca

ACUTE TOXICITY TABLE

Hazard Symbol	Hazard Rating	MAMMALS			FISH
		ORAL LD50 (mg/kg body wt)	INHALATION LD50 (mg/L of air)	DERMAL LD50 (mg/kg body wt)	RELATIVE RISK RANKING SCORE
VLH	Very Low Hazard	Above 500	Above 2	Above 2000	Above 8
LH	Low Hazard	101 - 500	0.41 - 2	401 - 2000	6 - 7.99
MH	Moderate Hazard	21 - 100	0.21 - 0.4	201 - 400	4 - 5.99
VHH	Very High Hazard	11 - 20	0.081 - 0.2	81 - 200	2 - 3.99
EH	Extremely	10 and less	0.08 and less	80 and less	1.99 and less

PESTICIDES ABBREVIATIONS

SU suspension
WP wettable powder
DU dust
FC flowable concentrate
kg kilogram
ha hectare
mL millilitre
SC spray concentrate
SN solution
SP soluble powder
DF dry flowable
g gram
L litre
DP dispersable powder
EC emulsifiable concentrate
GR granular
SURF surfactant
FLOW flowable liquid
EW water base

KEEP IT SAFE!
KEEP GOOD RECORDS WHEN YOU USE PESTICIDES

POTATO SEED PIECE TREATMENT

PRODUCT		FORMULATION	PRODUCT/ 100 KG SEED	HAZARD RATING MAMMALS
Fludioxonil	Maxim PSP	0.5% DU	0.5 kg	VLH
Mancozeb	MancoPlus	16% DU	0.5 kg	VLH
Mancozeb	Potato ST 16	16% DU	0.5 kg	VLH
Mancozeb + Douglas Fir bark	Tuberseal	16% DU	0.5 kg	VLH
Metiram	Polyram 16 D	16% DU	0.45-0.65 kg	LH
Thiophanate-methyl	Senator PSPT	10% DU	0.5 kg	LH

RESISTANCE MANAGEMENT: Do not use Senator PSPT if Mertect has been used as a post-harvest fungicide.
Do not use Maxim PSP in any two consecutive seed generations.

INSECT CONTROL

The management of insect pests on potatoes continues to rely on synthetic insecticides but their continued usefulness can only be insured by the concurrent use of cultural and alternative control methods.

Scouting

Monitor each field once or twice a week to identify the insect pests present and determine the relative abundance of their different life stages. Note the growth stage of the crop. Keep in mind that the previous crop, cropping practices and the type of vegetation surrounding the field affect the presence and the development of the insects. Information on the changes in the abundance of insect pests in your region can be obtained from a variety of pest forecasting and monitoring services offered by government extension specialists and private consultants.

Use all the information gathered to develop an insect control program for the season or to respond to a specific pest outbreak.

Alternative Control Methods

A number of non-insecticidal control methods are now available. These methods are environmentally friendly and help prolong the effective life of insecticides if they are used consistently, year after year. These methods are most effective against the Colorado potato beetle but many will help reduce the abundance of other insects.

Field rotation. Rotate fields frequently and isolate fields whenever possible. This will delay field colonization by overwintered adults and reduces their abundance in the crop. Increasing the distance between last year's potato field and this year's potato field will increase the level of beetle control.

Plastic-lined trenches. Install trenches around potato fields adjacent to Colorado potato beetle overwintering sites or field planted to potatoes the previous year. On the average, trenches reduce the abundance of overwintered adult beetles on the crop by 50%. This will also reduce the number of egg masses in the potato field.

Propane burner. Very effective at reducing the abundance of overwintered adult Colorado potato beetles on short plants up to 4" in height. Also reduces the viability of egg masses. More than one pass per season may reduce yield.

Insecticides

Please see insecticide notes and/or your Extension Specialist.

S - Spray
B - Band

I- In Furrow
BR - Broadcast

PL - Apply at Planting
* - Registered
- - Information not available

Chemical or Biological	Product	Formulation	Product/ha	Days to Harvest	GREEN PEACH APHID	COMMON POTATO APHID	BUCKTHORN APHID	COLORADO POTATO BEETLE	FLEA BEETLE	WIREWORMS	EUROPEAN CORN BORER	TARNISHED PLANT BUG	LEAFHOPPERS	Application Method	ACUTE HAZARD RATING MAMMALS Oral	Inhalation	Dermal	Fish	Re-entry time
Carbamates																			
carbaryl	CO-OP SEVIN 50WP	WP	1.1-4.5 kg	7				*	*		*	*	*	S	LH		VLH	VHH	24 hours
	CO-OP SEVIN 80WP	WP	0.75-2.75 kg	7				*	*		*	*	*	S					
	SEVIN BRAND 50W	WP	1.1-4.5 kg	7				*	*		*	*	*	S					
	SEVIN 85S	SP	0.675-2.75 kg	0				*	*		*	*	*	S					
	SEVIN XLR PLUS	SU	1.25-5.25 L	7				*	*		*	*	*	S					
carbofuran	FURADAN 480F	SU	0.55-1.1 L	7				*	*			*	*	S	EH		VLH	MH	48 hours
methomyl	LANNATE SP	SP	0.54 kg	3	*	*	*		*				*	S	VHH	MH	VLH	MH	24hours
	LANNATE L	EC	2.25 L	3	*	*	*		*				*	S					
oxamyl	VYDATE L	EC	2.3-3.0 L	7	*	*		*	*			*	*	S	EH	EH	LH	MH	24 hours
pirimicarb	PIRIMOR 50DF	DF	0.425-0.55 kg	7	*	*	*							S	LH		LH	LH	24 hours
Chlorinated hydrocarbons																			
endosulfan	THIODAN 4EC	EC	1.4 L	1	*	*	*	*	*				*	S	MH	VLH	VHH	EH	48 hours
	THIODAN 50WP	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
	THIONEX 50WP	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
	THIONEX EC	EC	1.5 L	1	*	*	*	*	*			*	*	S					
	ENDOSULFAN 50W	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
methoxychlor	MARLATE 50WP	WP	2.5 kg	7				*	*					S	VLH		VLH	EH	24 hours
	MINTOX	EC	22-63 L	7	*	*	*	*	*				*	S					
	METHOXYCHLOR 50W	WP	1.7-5.0 kg	7				*	*				*	S					
	METHOXYCHLOR 240	EC	3.5-9.5 L	7				*	*				*	S					
Choronicotinyls																			
imidacloprid	ADMIRE 240F	FLOW	0.85-1.3 L	PL	*	*	*	*	*				*	I	VLH	VLH	VLH	LH	24 hours
	ADMIRE 240F	FLOW	0.2 L	7	*	*	*	*					*	S					
Naturalyte																			
Spinosad	SUCCESS 480	SC	83-166 ml	7				*			*			S	VLH	VLH	VLH	LH	12 hours
Organophosphates																			
chlorpyrifos	LORSBAN 4E	EC	1.0 L	7				*	*			*		S	LH		LH	EH	24 hours
	LORSBAN 50W	WP	1.125-2.25 kg	7					*			*		S					
	PYRINEX 480EC	EC	1.0 L	7				*	*			*		S					
diazinon	DIAZOL 50W	WP	1.1 kg	14	*	*	*	*	*				*	S	LH		LH	MH	24 hours
	DIAZOL 50EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	PLANT PRODUCT DIAZINON 500EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	DIAZINON 50W	WP	1.1 kg	14	*	*	*	*	*				*	S					
	GUARDSMAN DIAZINON 500EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	DZN 600 EW	EW	0.915 L	14	*	*	*	*					*	S					
dimethoate	BARTLETT CYGON 480	EC	0.55-1.1 L	7	*	*	*						*	S	LH		LH	MH	24 hours
	CYGON 480E	EC	0.55-1 L	7	*	*	*						*	S					
	IPCO CYGON 4E	EC	0.55-1.1 L	7	*	*	*						*	S					
	DIMETHOATE PLUS	EC	0.7 L	7	*	*	*						*	S					
	SANEX DIMETHOATE 480EC	EC	0.55-1.1 L	7	*	*	*						*	S					
	LAGON 480	EC	0.55-1.1 L	7	*	*	*				*		*	S					

Because of Colorado Potato Beetle resistance to insecticides and to prevent the development of resistance in other pests, AVOID REPEAT APPLICATIONS OF INSECTICIDES FROM THE SAME CHEMICAL GROUP

Insecticides

Please see insecticide notes and/or your Extension Specialist.

S - Spray
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Chemical or Biological	Product	Formulation	Product/ha	Days to Harvest	GREEN PEACH APHID	COMMON POTATO APHID	BUCKTHORN APHID	COLORADO POTATO BEETLE	FLEA BEETLE	WIREWORMS	EUROPEAN CORN BORER	TARNISHED PLANT BUG	LEAFHOPPERS	Application Method	ACUTE HAZARD RATING MAMMALS Oral	Inhalation	Dermal	Fish	Re-entry time
Carbamates																			
carbaryl	CO-OP SEVIN 50WP	WP	1.1-4.5 kg	7				*	*		*	*	*	S	LH		VLH	VHH	24 hours
	CO-OP SEVIN 80WP	WP	0.75-2.75 kg	7				*	*		*	*	*	S					
	SEVIN BRAND 50W	WP	1.1-4.5 kg	7				*	*		*	*	*	S					
	SEVIN 85S	SP	0.675-2.75 kg	0				*	*		*	*	*	S					
	SEVIN XLR PLUS	SU	1.25-5.25 L	7				*	*		*	*	*	S					
carbofuran	FURADAN 480F	SU	0.55-1.1 L	7				*	*			*	*	S	EH		VLH	MH	48 hours
methomyl	LANNATE SP	SP	0.54 kg	3	*	*	*		*				*	S	VHH	MH	VLH	MH	24hours
	LANNATE L	EC	2.25 L	3	*	*	*		*				*	S					
oxamyl	VYDATE L	EC	2.3-3.0 L	7	*	*		*	*			*	*	S	EH	EH	LH	MH	24 hours
pirimicarb	PIRIMOR 50DF	DF	0.425-0.55 kg	7	*	*	*							S	LH		LH	LH	24 hours
Chlorinated hydrocarbons																			
endosulfan	THIODAN 4EC	EC	1.4 L	1	*	*	*	*	*				*	S	MH	VLH	VHH	EH	48 hours
	THIODAN 50WP	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
	THIONEX 50WP	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
	THIONEX EC	EC	1.5 L	1	*	*	*	*	*			*	*	S					
	ENDOSULFAN 50W	WP	1.1 kg	1	*	*	*	*	*			*	*	S					
methoxychlor	MARLATE 50WP	WP	2.5 kg	7				*	*					S	VLH		VLH	EH	24 hours
	MINTOX	EC	22-63 L	7	*	*	*	*	*				*	S					
	METHOXYCHLOR 50W	WP	1.7-5.0 kg	7				*	*				*	S					
	METHOXYCHLOR 240	EC	3.5-9.5 L	7				*	*				*	S					
Choronicotinyls																			
imidacloprid	ADMIRE 240F	FLOW	0.85-1.3 L	PL	*	*	*	*	*				*	I	VLH	VLH	VLH	LH	24 hours
	ADMIRE 240F	FLOW	0.2 L	7	*	*	*	*					*	S					
Naturalyte																			
Spinosad	SUCCESS 480	SC	83-166 ml	7				*			*			S	VLH	VLH	VLH	LH	12 hours
Organophosphates																			
chlorpyrifos	LORSBAN 4E	EC	1.0 L	7				*	*			*		S	LH		LH	EH	24 hours
	LORSBAN 50W	WP	1.125-2.25 kg	7					*			*		S					
	PYRINEX 480EC	EC	1.0 L	7				*	*			*		S					
diazinon	DIAZOL 50W	WP	1.1 kg	14	*	*	*	*	*				*	S	LH		LH	MH	24 hours
	DIAZOL 50EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	PLANT PRODUCT DIAZINON 500EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	DIAZINON 50W	WP	1.1 kg	14	*	*	*	*	*				*	S					
	GUARDSMAN DIAZINON 500EC	EC	1.1 L	14	*	*	*	*	*				*	S					
	DZN 600 EW	EW	0.915 L	14	*	*	*	*					*	S					
dimethoate	BARTLETT CYGON 480	EC	0.55-1.1 L	7	*	*	*						*	S	LH		LH	MH	24 hours
	CYGON 480E	EC	0.55-1 L	7	*	*	*						*	S					
	IPCO CYGON 4E	EC	0.55-1.1 L	7	*	*	*						*	S					
	DIMETHOATE PLUS	EC	0.7 L	7	*	*	*						*	S					
	SANEX DIMETHOATE 480EC	EC	0.55-1.1 L	7	*	*	*						*	S					
	LAGON 480	EC	0.55-1.1 L	7	*	*	*					*	*	S					

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Insecticides (page 2)

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Chemical or Biological	Product	Formulation	Product/ha	Days to Harvest	GREEN PEACH APHID	COMMON POTATO APHID	BUCKTHORN APHID	COLORADO POTATO BEETLE	FLEA BEETLE	WIREWORMS	EUROPEAN CORN BORER	TARNISHED PLANT BUG	LEAFHOPPERS	Application Method	ACUTE HAZARD RATING MAMMALS Oral	Inhalation	Dermal	Fish	Re-entry time
Organophosphates cont ..																			
disulfoton	DI-SYSTON 15G	GR	8.2-22.0 kg	PL	*	*	*	*	*				*	B/I	EH		EH	VHH	48 hours
malathion	CYTHION WP	WP	2.75-4.25 kg	3	*	*	*	*					*	S	VLH		LH	VHH	24 hours
	CYTHION EC	EC	1.5-2.25 L	3	*	*	*	*					*	S					
	DISPAR MALATHION 50EC	EC	1.5 L	3	*	*	*							S					
	MALATHION 50	EC	1.5 L	3	*	*	*						*	S					
	IPCO MALATHION 500	EC	1.4-2.0 L	3	*	*	*	*					*	S					
	RIDDEX MALATHION 500EC	EC	1.5-2.25 L	3	*	*	*	*					*	S					
	MALATHION 25W	WP	2.75-4.25 kg	3	*	*	*	*					*	S					
	SANEX MALATHION 50EC	EC	1.5-2.25 L	3	*	*	*						*	S					
	MALATHION 500E	EC	1.25-1.8 L	3	*	*	*	*					*	S					
	MALATHION 85E	EC	1.0 L	3	*	*	*	*					*	S					
	GUARDSMAN CYTHION 1000 L	EC	1.0 L	3	*	*	*						*	S					
	GUARDSMAN MALATHION 500EC	EC	1.5-2.0 L	3	*	*	*	*					*	S					
	MALATHION 500E	EC	1.5-2.0 L	3	*	*	*	*					*	S					
methamidophos	MONITOR 480 L	SN	1.75-2.25 L	14	*	*	*	*	*				*	S	MH	VLH	VHH	MH	48 hours
	ORTHO MONITOR 480 L	SN	1.85-2.3 L	14	*	*	*	*	*			*	*	S					
naled	DIBROM	EC	1.1 L	4				*	*				*	S	LH	VLH	LH	VHH	24 hours
phorate	THIMET 15G	GR	15.4-23.6 kg	PL	*	*	*	*	*	*			*	B/I	VHH		LH	EH	24 hours
phosmet	IMIDAN 50WP	WP	2.25 kg	7		*		*	*				*	S	LH		VLH	VHH	24 hours
Pyridine Azomethines																			
Pymetrozine	Fulfill 50 WG	WG	193 g +Surf	14	*	*	*							S	VLH	VLH	VLH	LH	12 hours
Synthetic pyrethroids																			
cypermethrin	RIPCORD 400	EC	0.0625-0.125 L	7				*	*			*	*	S	LH	VLH	VLH	VHH	24 hours
	CYMBUSH 250	EC	0.14 L	7				*	*			*	*	S					
deltamethrin	DECIS 5EC	EC	0.1-0.25 L	1		*	*	*	*			*	*	S	LH	LH	VLH	VHH	24 hours
cyhalothrin-lamda	MATADOR 120EC	EC	0.083-0.125 L	7				*	*			*	*	S	MH	VLH	LH	VHH	24 hours
permethrin	POUNCE	EC	0.19-0.28 L	1				*	*			*	*	S	LH	VLH	VLH	VHH	24 hours
	BIO-ENVIRONMENTAL PERMETHRIN	SC	0.185 L	1				*	*			*	*	S					
Botanical																			
Rotenone	ROTENONE DUST	DU	-	-	*	*	*	*	*	*		*	-	D	LH		-	VHH	24 hours
	LIQUID ROTENONE ORGANIC INSECTICIDE	SC	-	1	*	*	*	*	*			*	-	S			-		
	ORGANIC INSECTICIDE WP	WP	-	1	*	*	*	*	*			*	-	S			-		
Bacteria																			
Bacillus thuringiensis tenebrionis	NOVODOR	FC	4-8 L	0				*						S	VLH	VLH	VLH	VLH	when dry

Because of Colorado Potato Beetle resistance to insecticides and to prevent the development of resistance in other pests, AVOID REPEAT APPLICATIONS OF INSECTICIDES FROM THE SAME CHEMICAL GROUP

Insecticides (page 2)

Please see Insecticide notes and/or your Extension Specialist.

S - Spray
B - Band

I- In Furrow
BR - Broadcast

PL - Apply at Planting
* - Registered
- - Information not available

Chemical or Biological	Product	Formulation	Product/ha	Days to Harvest	GREEN PEACH APHID	COMMON POTATO APHID	BUCKTHORN APHID	COLORADO POTATO BEETLE	FLEA BEETLE	WIREWORMS	EUROPEAN CORN BORER	TARNISHED PLANT BUG	LEAFHOPPERS	Application Method	ACUTE HAZARD RATING MAMMALS Oral	Inhalation	Dermal	Fish	Re-entry time
Organophosphates cont...																			
disulfoton	DI-SYSTON 15G	GR	8.2-22.0 kg	PL	*	*	*	*	*				*	B/I	EH		EH	VHH	48 hours
malathion	CYTHION WP	WP	2.75-4.25 kg	3	*	*	*	*					-	S	VLH		LH	VHH	24 hours
	CYTHION EC	EC	1.5-2.25 L	3	*	*	*	*					-	S					
	DISPAR MALATHION 50EC	EC	1.5 L	3	*	*	*						-	S					
	MALATHION 50	EC	1.5 L	3	*	*	*						*	S					
	IPCO MALATHION 500	EC	1.4-2.0 L	3	*	*	*	*					*	S					
	RIDDEX MALATHION 500EC	EC	1.5-2.25 L	3	*	*	*	*					*	S					
	MALATHION 25W	WP	2.75-4.25 kg	3	*	*	*	*					*	S					
	SANEX MALATHION 50EC	EC	1.5-2.25 L	3	*	*	*						*	S					
	MALATHION 500E	EC	1.25-1.8 L	3	*	*	*	*					*	S					
	MALATHION 85E	EC	1.0 L	3	*	*	*	*					*	S					
	GUARDSMAN CYTHION 1000 L	EC	1.0 L	3	*	*	*						-	S					
	GUARDSMAN MALATHION 500EC	EC	1.5-2.0 L	3	*	*	*	*					*	S					
	MALATHION 500E	EC	1.5-2.0 L	3	*	*	*	*					-	S					
methamidophos	MONITOR 480 L	SN	1.75-2.25 L	14	*	*	*	*	*			*	*	S	MH	VLH	VHH	MH	48 hours
	ORTHO MONITOR 480 L	SN	1.85-2.3 L	14	*	*	*	*	*			*	*	S					
naled	DIBROM	EC	1.1 L	4				*	*				*	S	LH	VLH	LH	VHH	24 hours
phorate	THIMET 15G	GR	15.4-23.6 kg	PL	*	*	*	*	*	*			*	B/I	VHH		LH	EH	24 hours
phosmet	IMIDAN 50WP	WP	2.25 kg	7		*		*	*				*	S	LH		VLH	VHH	24 hours
Pyridine Azomathines																			
Pymetrozine	Fulfill 50 WG	WG	193 g +Surf	14	*	*	*							S	VLH	VLH	VLH	LH	12 hours
Synthetic pyrethroids																			
cypermethrin	RIPCORD 400	EC	0.0625-0.125 L	7				*	*			*	*	S	LH	VLH	VLH	VHH	24 hours
	CYMBUSH 250	EC	0.14 L	7				*	*			*	*	S					
deltamethrin	DECIS 5EC	EC	0.1-0.25 L	1		*	*	*	*			*	*	S	LH	LH	VLH	VHH	24 hours
cyhalothrin-lamda	MATADOR 120EC	EC	0.083-0.125 L	7				*	*			*	*	S	MH	VLH	LH	VHH	24 hours
permethrin	POUNCE	EC	0.19-0.28 L	1				*	*			*	*	S	LH	VLH	VLH	VHH	24 hours
	BIO-ENVIRONMENTAL PERMETHRIN	SC	0.185 L	1				*	*			*	*	S					
Botanical																			
Rotenone	ROTENONE DUST	DU	-	-	*	*	*	*	*	*		*	-	D	LH		-	VHH	24 hours
	LIQUID ROTENONE ORGANIC INSECTICIDE	SC	-	1	*	*	*	*	*	*		*	-	S			-		
	ORGANIC INSECTICIDE WP	WP	-	1	*	*	*	*	*	*		*	-	S			-		
Bacteria																			
Bacillus thuringiensis tenebrionis	NOVODOR	FC	4-8 L	0					*					S	VLH	VLH	VLH	VLH	when dry

Because of Colorado Potato Beetle resistance to insecticides and to prevent the development of resistance in other pests, AVOID REPEAT APPLICATIONS OF INSECTICIDES FROM THE SAME CHEMICAL GROUP

Insecticidal Control

Insecticide resistance is present in many populations of Colorado potato beetles in the Atlantic region. It is recommended that a few simple steps be followed to manage the problem with the Colorado potato beetle and prevent the development of insecticide resistance.

1. Reduce the number of insecticide applications by using alternative control methods.
2. Apply an insecticide only if the abundance of an insect pest has reached a level where it can cause an economic yield loss.
3. Rotate to an insecticide of a different chemical class after each application of a particular insecticide. In the case of the Colorado potato beetle, use an insecticide resistance test kit if one is available in your region, to help determine if your beetles are resistant to a particular insecticide.
4. Use the right nozzles on a recently calibrated sprayer to insure that the insecticide is applied to the target pest on the crop with minimal drift to the environment. Consider banding rather than treating the whole area.
5. Apply only at the recommended rate for the pest.
6. All insecticides listed in this guide will control some potato insect pests, however, differences in their respective modes of action, persistence, sensitivity to temperature and pest specificacy must be considered when choosing a chemical.

NOTES ON INSECTICIDES

Many of the insecticides used on potatoes are highly poisonous to man, animals, fish and beneficial insects. Poisoning of the applicator can occur by swallowing, inhaling or by skin contact. FOLLOW ALL PRECAUTIONS STATED ON THE PRODUCT LABEL. It is against the law not to comply with the label instructions of a pesticide under the Pest Control Products Act of Canada. Contamination of fisheries waters by pesticides is also against the law under the Fisheries Act of Canada.

Carbamates

Non systemic carbamates generally remain effective for 7 - 10 days.

Carbaryl has low toxicity to man and animals but is highly toxic to bees. It is effective against beetles for 3-4 days under favourable conditions (the XLR formulation may be wash-off resistant for as much as 7 - 10 days). It does not control aphids. Repeated applications usually cause an increase in aphid populations, since it kills aphid predators.

Carbofuran is highly toxic to humans. Foliar applications are effective against beetles through contact action. Carbofuran does not control aphids. Applications of Furadan usually result in an increase in aphid populations, since it kills aphid predators.

Methomyl has low toxicity to man and animals but is highly toxic to bees. Foliar applications are effective against aphids and flea beetles through contact and some systemic action. Effective insect control lasts less than 7 days.

Oxamyl has moderate toxicity to humans. It is effective against the beetles and the aphids through contact and systemic action.

Pirimicarb has low toxicity to humans. It is very effective any time against aphids, acting through contact and vapour action.

Chlorinated hydrocarbons

Endosulfan is moderately toxic to humans. It is effective against beetles and the buckthorn aphid. Low temperatures decrease its effectiveness, especially against the buckthorn aphid.

Methoxychlor has low toxicity to man and animals but is highly toxic to fish and bees. It is effective against aphids, Colorado potato beetles and potato flea beetles through contact action.

Chloronicotinyls

Nicotinyls affect the nervous system of insects by blocking a specific type of receptor on the post-synapse.

Imidacloprid is effective against the Colorado potato beetle, the flea beetle and aphids. It has low toxicity to humans and animals but is highly toxic to bees.

Naturalyte

Unique mode of action associated with insect nervous system and acts through contact and ingestion. It is not systemic in the plant.

Spinosad is effective against Colorado Potato Beetle and European Corn Borer. It has very low toxicity to humans, animals and beneficial insects but highly toxic to bees. Maximum application per season is 249 ml/ha. Target Colorado Potato Beetle at egg hatch and small larval stages.

Organophosphates

Non-systemic organophosphates remain effective for 7-14 days.

Chlorpyrifos has low toxicity to humans. It works through contact, ingestion and vapour action against the beetles. It does not control aphids.

Diazinon has low toxicity to man and animals but is highly toxic to bees. It works through contact, systemic and ingestion

action against aphids, Colorado potato beetles, and potato flea beetles.

Dimethoate has low toxicity to humans. It is effective against the potato and the buckthorn aphids by contact and systemic action.

Disulfoton is highly toxic to humans. It is effective against all pests except the Colorado potato beetle whose control has been variable. Especially effective early in the season. It will provide some control of adult potato beetles during the very first few weeks of plant growth.

Malathion has low toxicity to man and animals but is highly toxic to bees. It is registered for use against aphids and, most formulations, the Colorado potato beetle.

Methamidophos is highly toxic to humans. It is effective against both species of beetles and all three species of aphids by contact and local systemic action. It will control large populations of aphids late in the season. It provides a quick, initial knockdown as well as residual control.

Naled is moderately toxic to humans. It is a fast acting insecticide that gives good control of the beetle. Do not apply above 32°C.

Phorate is highly toxic to humans. It is effective against all pests. It does not persist long enough to control the second peak of flea beetles and its control of aphids is variable.

Phosmet has low toxicity to humans. It is a contact and stomach poison that is effective against the beetles.

Pyridine Azomethines

Pymethrozine mode of action is of a neural inhibition of feeding behavior.

Pymetrozine is very selective for activity against the Green Peach, Potato, Foxglove and Buckthorn aphid. Aphids stop feeding after exposure by contact or ingestion. Aphids do not feed again and subsequently die after several days due to starvation or dessication. A reduced risk product for humans and animals.

The use of an adjuvant such as Agrol 90, Agsurf, LI 700 or Sylgard 309 is recommended to improve the performance of Fulfill under drought stress conditions.

Synthetic Pyrethroids

In contrast to carbamates and organophosphates the toxicity of pyrethroids decreases as temperature rises. Whenever possible synthetic pyrethroids should be applied at temperatures below 24°C. They are generally toxic to bees and other beneficial insects but most are of low mammalian toxicity. These insecticides are extremely toxic to fish, shellfish and aquatic organisms which are food for fish and waterfowl. Careless use can seriously harm sport and commercial fisheries and wildlife.

Although pyrethroids are generally poor potato aphicides, they may reduce probing by colonizing aphids which may protect the plants from infestation and virus spread as long as the residual dose is sufficient, even if it is no longer lethal. Being virtually insoluble in water, they offer excellent resistance to leaching out during rain. They should not be used on muck soils.

Allow a minimum of 24 hours before evaluating the efficacy of a pyrethroid spray to permit enough time for the insects to return to the plant and feed some more after the knockdown effect.

Cypermethrin is effective against the beetles by contact and stomach action.

Deltamethrin is effective against the beetles as a contact and stomach poison. May be effective against the common potato aphid and the buckthorn aphid at higher rates.

Cyhalothrin-lambda is effective against Colorado potato beetles by contact and stomach action.

Permethrin is effective against the beetles. Thorough coverage of plants is important and the higher rate is required for heavy infestations. It is a contact and stomach poison.

Bacteria

Some varieties of the bacterium *Bacillus thuringiensis* are active against the larvae of the Colorado potato beetle. For optimum results, apply early in the season against small actively feeding larvae. Repeat the application twice at intervals of 5-7 days or after a heavy rainfall. The bacteria are not fast acting. Larval death occurs only 1 - 5 days later but the larvae stop feeding after eating foliage sprayed with the bacteria. These products are not very effective against large larvae and will not kill adults and other insect species. *Bacillus thuringiensis* **(Novodor)** is effective against the Colorado potato beetle larvae by stomach action. The higher rate is required for heavy infestations.

Botanicals

Rotenone is prepared as ground up roots or extracts of the roots of plants from the genera Derris and Lonchocarpus. It is highly toxic to fish. It has moderate toxicity to mammals, except highly toxic to pigs. It is moderately effective against some species of aphids. Breaks down rapidly when exposed to light and air, thus good for use on crops close to harvest.

HERBICIDES

SEE NOTES AND PRODUCT LABELS FOR DETAILS ON HERBICIDES

*Weed Control Rating
E - Excellent
G - Good
F - Fair
P - Poor

	Chemical Name	Product Name (s)	Formulation	Product/ha	Weed Control Rating: annual broad leaves: chickweed	hempnettle	lambsquarters	mustard family	pigweeds	ragweeds	smartweed family	wild buckwheat	wild radish	annual grasses: barnyard grass	foxtail	crabgrass	Perennials: quackgrass	Canada thistle	sow thistle	goldenrod	field mint	Potato tolerance	Acute Hazard rating Mammals	Reentry Time (hrs)
BEFORE PLANTING	EPTC	Eptam 8E	EC	4.25 - 8.5 L/ha	F	-	F	P	F	F	F	P	P	G	G	G	F	P	P	-	-	E	VLH	12
	glyphosate	Roundup or Touchdown	SN	2.5L/50 - 100L water	+	+	+	+	+	+	+	+	+	+	+	+	G	P	E	+	+	P	VLH	12
		Roundup or Touchdown	SN	4.7 - 7.0L/ha	+	+	+	+	+	+	+	+	+	+	+	+	E	E	E	+	+	P	VLH	12
	glyphosate + Agrol 90 or Enhance or Frigate	Roundup or Touchdown + Agrol 90 or Enhance or Frigate	SN SURF SURF SURF	2.5L + 1L / 200L water 0.5L/100-200 L water 1L/200L water	+	+	+	+	+	+	+	+	+	+	+	+	E	P	E	+	+	P	-	-
	s-metolachlor	Dual Magnum (915g/L)	EC	1.25-1.75L/ha	P	P	-	-	-	-	-	P	-	G	G	G	P	-	P	P	P	G	VLH	24
PLANTING TO EMERGENCE	linuron	Afolan F (480g/L) or Lorox L (480g/L) or Linuron 480 FL (480g/L)	SU	2.3 - 4.6L/ha	G	G	E	E	G	G	E	E	F	F	F	F	P	-	P	P	P	F	VLH	24
		Lorox (50%)DF	DF	2.2 - 4.3 kg/ha																				
		Linuron 400FL(400g/L)	SU	2.5 - 5.2 L/ha																				
	Linuron + s-metolachlor	Afolan-F (480g/L) or	SU	1.8 - 2.3 L/ha	G	G	E	E	E	G	E	G	G	E	E	E	P	P	P	P	P	E	LH	-
		or Lorox L (480 g/L) or	SU	1.8 - 2.3 L/ha																				
		Lorox DF (50%)	DF	1.75 - 2.25 kg/ha +																				
		+ Dual II Magnum	EC	1.25 - 1.75 L/ha																				
	metribuzin	Sencor 75DF	DF	0.55 - 1.5 kg/ha	G	E	E	E	E	E	E	G	E	G	G	G	P	-	P	-	P	G	VLH	12
		Sencor Solupak 75 DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	0.84 - 2.2 L/ha																				
	metribuzin + s-metolachlor	Sencor 75DF	DF	0.75 - 1.5 kg/ha or	G	E	E	E	E	E	E	G	G	E	G	G	P	-	P	-	P	G	LH	-
		Sencor 500 F	SU	1.1 - 2.25 L/ha +																				
		+Dual II Magnum	EC	1.25 - 1.75 L/ha																				
	metribuzin + linuron	Sencor 75DF	DF	0.55 - 1.1 kg/ha	G	E	E	E	E	E	E	E	E	G	G	G	P	-	P	-	P	G	VLH	-
		or Sencor Solupak 75DF	DF	0.55 - 1.1 kg/ha																				
		or Sencor 500F	SU	0.85 - 1.75 L/ha +																				
		+ linuron 480	SU	1.6 - 3.75 L/ha																				
	monolinuron	Afesin (200g/L)	EC	5.6 - 11.0 L/ha	-	-	E	E	E	G	E	E	G	F	F	P	P	P	P	-	-	F	VLH	-
	monolinuron + s-metolachlor	Afesin +	EC	5.5 - 8.5 L/ha +	-	-	E	G	G	F	G	E	G	G	G	G	P	-	P	-	-	G	-	-
		Dual II Magnum	EC	1.25 - 1.75 L/ha																				
BEFORE EMERGENCE (GROUND CRACK)	metribuzin	Sencor 75DF	DF	0.6 - 1.5 kg/ha	G	E	E	E	E	E	E	G	G	G	-	-	F	-	P	-	-	G	VLH	12
		Sencor Solupak 75DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	0.85 - 2.25 L/ha																				
	paraquat	Gramoxone (200 g/L)	SN	2.8 - 4.25L/ha	+	F	G	G	G	-	F	F	F	P	-	-	G	P	F	-	F	G	LH	24
	metribuzin + paraquat	Sencor 75DF	DF	0.75 - 1.1 kg/ha	G	E	E	E	E	E	E	E	G	G	G	G	G	-	F	-	F	G	VLH	-
		Sencor Solupak 75DF	DF	0.75 - 1.1 kg/ha																				
		or Sencor 500F	SU	1.1 - 1.75 L/ha +																				
		+Gramoxone	SN	2.75 L/ha																				
	glufosinate ammonium	Ignite	SN	2.7 - 5.0 L/ha	+	E	E	E	E	E	E	E	F	E	E	E	-	-	-	-	F	G	VLH	12
	glyphosate	Roundup #	SN	2.5 L/ha	G	E	E	E	E	E	E	E	E	E	E	E	G	-	-	+	+	F	VLH	12

LEGEND

* A dash (-) in the weed control rating indicates lack of information. Do not use a herbicide more than once or apply an additional herbicide during the growing season unless split or combination treatments are registered. A plus (+) in the weed control rating indicates weeds will be controlled if emerged

** Do not tank mix with other herbicides

*** Do not use Venture L within 90 days of harvest

*** Do not use Poast within 60 days of harvest

*** Do not use Excel within 35 days of harvest

*** Do not use Select within 60 days of harvest

*** Do not use Prism within 30 days of Harvest

Apply after weeds emerged but before potatoes emerge

NOTE FOR ADDITIONAL INFORMATION AND CAUTIONS ON HERBICIDE USE, REFER TO "Guide to Weed Control," Publication 75 and product labels

HERBICIDES

SEE NOTES AND PRODUCT LABELS FOR DETAILS ON HERBICIDES

*Weed Control Rating
E - Excellent
G - Good
F - Fair
P - Poor

	Chemical Name	Product Name (s)	Formulation	Product/ha	Weed Control Rating: annual broad leaves: chickweed	hempnettle	lambsquarters	mustard family	pigweeds	ragweeds	smartweed family	wild buckwheat	wild radish	annual grasses: barnyard grass	foxtail	crabgrass	Perennials: quackgrass	Canada thistle	sow thistle	goldenrod	field mint	Potato tolerance	Acute Hazard rating Mammals	Reentry Time (hrs)
BEFORE PLANTING	EPTC	Eptam 8E	EC	4.25 - 8.5 L/ha	F	-	F	P	F	F	F	P	P	G	G	G	F	P	P	-	-	E	VLH	12
	glyphosate	Roundup or Touchdown	SN	2.5L/50 - 100L water	+	+	+	+	+	+	+	+	+	+	+	+	G	P	E	+	+	P	VLH	12
		Roundup or Touchdown	SN	4.7 - 7.0L/ha	+	+	+	+	+	+	+	+	+	+	+	+	E	E	E	+	+	P	VLH	12
	glyphosate + Agrol 90 or Enhance or Frigate	Roundup or Touchdown + Agrol 90 or Enhance or Frigate	SN SURF SURF SURF	2.5L + 1L / 200L water 0.5L/100-200 L water 1L/200L water	+	+	+	+	+	+	+	+	+	+	+	+	E	P	E	+	+	P	-	-
	s-metolachlor	Dual Magnum (915g/L)	EC	1.25-1.75L/ha	P	P	-	-	-	-	-	P	-	G	G	G	P	-	P	P	P	G	VLH	24
PLANTING TO EMERGENCE	linuron	Afolan F (480g/L) or Lorox L (480g/L) or Linuron 480 FL (480g/L)	SU	2.3 - 4.6L/ha	G	G	E	E	G	G	E	E	F	F	F	F	P	-	P	P	P	F	VLH	24
		Lorox (50%)DF	DF	2.2 - 4.3 kg/ha																				
		Linuron 400FL(400g/L)	SU	2.5 - 5.2 L/ha																				
	Linuron + s-metolachlor	Afolan-F (480g/L) or	SU	1.8 - 2.3 L/ha	G	G	E	E	E	G	E	G	G	E	E	E	P	P	P	P	P	E	LH	-
		or Lorox L (480 g/L) or	SU	1.8 - 2.3 L/ha																				
		Lorox DF (50%)	DF	1.75 - 2.25 kg/ha +																				
		+ Dual II Magnum	EC	1.25 - 1.75 L/ha																				
	metribuzin	Sencor 75DF	DF	0.55 - 1.5 kg/ha	G	E	E	E	E	E	E	G	E	G	G	G	P	-	P	-	P	G	VLH	12
		Sencor Solupak 75 DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	0.84 - 2.2 L/ha																				
	metribuzin + s-metolachlor	Sencor 75DF	DF	0.75 - 1.5 kg/ha or	G	E	E	E	E	E	E	G	G	E	G	G	P	-	P	-	P	G	LH	-
		Sencor 500 F	SU	1.1 - 2.25 L/ha +																				
		+Dual II Magnum	EC	1.25 - 1.75 L/ha																				
	metribuzin + linuron	Sencor 75DF	DF	0.55 - 1.1 kg/ha	G	E	E	E	E	E	E	E	E	G	G	G	P	-	P	-	P	G	VLH	-
		or Sencor Solupak 75DF	DF	0.55 - 1.1 kg/ha																				
		or Sencor 500F	SU	0.85 - 1.75 L/ha +																				
		+ linuron 480	SU	1.6 - 3.75 L/ha																				
	monolinuron	Afesin (200g/L)	EC	5.6 - 11.0 L/ha	-	-	E	E	E	G	E	E	G	F	F	P	P	P	P	-	-	F	VLH	-
	monolinuron + s-metolachlor	Afesin + Dual II Magnum	EC EC	5.5 - 8.5 L/ha + 1.25 - 1.75 L/ha	-	-	E	G	G	F	G	E	G	G	G	G	P	-	P	-	-	G	-	-
BEFORE EMERGENCE (GROUND CRACK)	metribuzin	Sencor 75DF	DF	0.6 - 1.5 kg/ha	G	E	E	E	E	E	E	G	G	G	-	-	F	-	P	-	-	G	VLH	12
		Sencor Solupak 75DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	0.85 - 2.25 L/ha																				
	paraquat	Gramoxone (200 g/L)	SN	2.8 - 4.25L/ha	+	F	G	G	G	-	F	F	F	P	-	-	G	P	F	-	F	G	LH	24
	metribuzin + paraquat	Sencor 75DF	DF	0.75 - 1.1 kg/ha	G	E	E	E	E	E	E	E	G	G	G	G	G	-	F	-	F	G	VLH	-
		Sencor Solupak 75DF	DF	0.75 - 1.1 kg/ha																				
		or Sencor 500F	SU	1.1 - 1.75 L/ha +																				
		+Gramoxone	SN	2.75 L/ha																				
	glufosinate ammonium	Ignite	SN	2.7 - 5.0 L/ha	+	E	E	E	E	E	E	E	F	E	E	E	-	-	-	-	F	G	VLH	12
	glyphosate	Roundup #	SN	2.5 L/ha	G	E	E	E	E	E	E	E	E	E	E	E	G	-	-	+	+	F	VLH	12

LEGEND

° A dash (-) in the weed control rating indicates lack of information. Do not use a herbicide more than once or apply an additional herbicide during the growing season unless split or combination treatments are registered. A plus (+) in the weed control rating indicates weeds will be controlled if emerged.

** Do not tank mix with other herbicides

*** Do not use Venture L within 90 days of harvest

*** Do not use Poast within 80 days of harvest

*** Do not use Excel within 35 days of harvest

*** Do not use Select within 60 days of harvest

*** Do not use Prism within 30 days of Harvest

Apply after weeds emerged but before potatoes emerge

NOTE: FOR ADDITIONAL INFORMATION AND CAUTIONS ON HERBICIDE USE, REFER TO "Guide to Weed Control," Publication 75 and product labels

HERBICIDES (page 2)

SEE NOTES AND PRODUCT LABELS FOR DETAILS ON HERBICIDES

*Weed Control Rating
E - Excellent
G - Good
F - Fair
P - Poor

	Chemical Name	Product Name (s)	Formulation	Product/ha	Weed Control Rating: annual broad leaves: chickweed	hempnettle	lambsquarters	mustard family	pigweeds	ragweeds	smartweed family	wild buckwheat	wild radish	annual grasses: barnyard grass	foxtail	crabgrass	Perennials: quackgrass	Canada thistle	sow thistle	goldenrod	field mint	Potato tolerance	Acute Hazard rating Mammals	Reentry Time (hrs)
SOON AFTER EMERGENCE CHECK NOTES FOR PRECAUTIONS	metribuzin	Sencor 75DF	DF	0.4 - 1.1 kg/ha	G	E	E	E	E	E	E	G	E	G	-	-	F	-	P			F	VLH	12
		Sencor Solupak 75DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	1.2 - 2.2 L/ha																				
	paraquat	Gramoxone (200g/L)	SN	2.8 - 4.25 L/ha	+	F	G	G	G	-	F	F	F	F	-	-	G	-	F	-	F	F	LH	24
POST-EMERGENCE	clethodim Annual Grass	Select/Amigo***	EC + SURF	0.19 L/ha + 0.5% v/v	P	P	P	P	P	P	P	P	P	E	E	E	F	P	P	P	P	E	VLH	24
	clethodim (quackgrass)	Select/Amigo***	EC + SURF	0.375 L/ha + 1.0% v/v	P	P	P	P	P	P	P	P	P	E	E	E	E	P	P	P	P	E	VLH	24
	fenoxaprop-p-ethyl	Excel Super **, ***	EC	0.67 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	P	P	P	P	P	E	VLH	24
	fluazifop-p-butyl Annual Grass (2-5 leaf)	Venture L***	EC	1.0L/ha	P	P	P	P	P	P	P	P	P	E	E	G	F	P	P	P	P	E	VLH	24
	fluazifop-p-butyl Quackgrass(3-5 leaf)	Venture L***	EC	2.0 L/ha	P	P	P	P	P	P	P	P	P	E	E	G	E	P	P	P	P	E	VLH	24
	nimsulfuron + Surf	Prism*** + Surf	DF + SURF	60 g/ha + 2L/1000L	G	-	F	G	G	-	-	-	E	E	E	E	G	-	-	E	-	G	LH	4
	sethoxydim + Merge or Assist (Annual Grasses 2-5 leaf)	Poast Ultra***+ Merge or Assist	EC Surf Surf	0.47 L/ha+ 1 L/ha 1 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	P	P	P	P	P	E	VLH	12
	sethoxydim + Merge or Assist (wild oats and volunteer cereals)	Poast Ultra***+ Merge or Assist	EC Surf Surf	0.32 L/ha + 1 L/ha 1L/ha	P	P	P	P	P	P	P	P	P	E	E	E	F	P	P	P	P	E	VLH	12
	sethoxydim + Merge or Assist (Quackgrass 1-3 Leaf)	Poast Ultra***+ Merge or Assist	EC Surf Surf	1.1 L/ha + 1 - 2 L/ha 1-2 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	E	P	P	P	P	E	VLH	12
UP TO 60 DAYS BEFORE HARVEST	EPTC at lay-by	Eptam 8E	EC	4.2 - 5.6 L/ha	F	-	G	P	F	F	F	P	P	G	G	G	F	P	P	-	-	E	VLH	12

LEGEND

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*** Do not use Poast within 80 days of harvest

*** Do not use Excel within 35 days of harvest

*** Do not use Select within 60 days of harvest

*** Do not use Prism within 30 days of Harvest

Apply after weeds emerged but before potatoes emerge

NOTE: FOR ADDITIONAL INFORMATION AND CAUTIONS ON HERBICIDE USE, REFER TO "Guide to Weed Control." Publication 75 and product labels.

HERBICIDES (page 2)

SEE NOTES AND PRODUCT LABELS FOR DETAILS ON HERBICIDES

*Weed Control Rating
E - Excellent
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	Chemical Name	Product Name (s)	Formulation	Product/ha	Weed Control Rating: annual broad leaves: chickweed	hempnettle	lambsquarters	mustard family	pigweeds	ragweeds	smartweed family	wild buckwheat	wild radish	annual grasses: barnyard grass	foxtail	crabgrass	Perennials: quackgrass	Canada thistle	sow thistle	goldenrod	field mint	Potato tolerance	Acute Hazard rating Mammals	Reentry Time (hrs)
SOON AFTER EMERGENCE CHECK NOTES FOR PRECAUTIONS	metribuzin	Sencor 75DF	DF	0.4 - 1.1 kg/ha	G	E	E	E	E	E	E	G	E	G	+	-	F	-	P			F	VLH	12
		Sencor Solupak 75DF	DF	0.55 - 1.5 kg/ha																				
		Sencor 500F	SU	1.2 - 2.2 L/ha																				
	paraquat	Gramoxone (200g/L)	SN	2.8 - 4.25 L/ha	+	F	G	G	G	-	P	F	F	F	-	-	G	-	F	-	F	F	LH	24
POST-EMERGENCE	clethodim Annual Grass	Select/Amigo***	EC + SURF	0.19 L/ha + 0.5% v/v	P	P	P	P	P	P	P	P	P	E	E	E	F	P	P	P	P	E	VLH	24
	clethodim (quackgrass)	Select/Amigo***	EC + SURF	0.375 L/ha + 1.0% v/v	P	P	P	P	P	P	P	P	P	E	E	E	E	P	P	P	P	E	VLH	24
	fenoxaprop-p-ethyl	Excel Super **, ***	EC	0.67 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	P	P	P	P	P	E	VLH	24
	fluazifop-p-butyl Annual Grass (2-5 leaf)	Venture L***	EC	1.0L/ha	P	P	P	P	P	P	P	P	P	E	E	G	F	P	P	P	P	E	VLH	24
	fluazifop-p-butyl Quackgrass(3-5 leaf)	Venture L***	EC	2.0 L/ha	P	P	P	P	P	P	P	P	P	E	E	G	E	P	P	P	P	E	VLH	24
	nimsulfuron + Surf	Prism*** + Surf	DF + SURF	60 g/ha + 2L/1000L	G	-	F	G	G	-	-	-	E	E	E	E	G	-	-	E	-	G	LH	4
	sethoxydim + Merge or Assist (Annual Grasses 2-5 leaf)	Poast Ultra***+ Merge or Assist	EC Surf Surf	0.47 L/ha+ 1 L/ha 1 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	P	P	P	P	P	E	VLH	12
	sethoxydim + Merge or Assist (wild oats and volunteer cereals)	Poast Ultra***+ Merge or Assist	EC Surf Surf	0.32 L/ha + 1 L/ha 1L/ha	P	P	P	P	P	P	P	P	P	E	E	E	F	P	P	P	P	E	VLH	12
	sethoxydim + Merge or Assist (Quackgrass 1-3 Leaf)	Poast Ultra***+ Merge or Assist	EC Surf Surf	1.1 L/ha + 1 - 2 L/ha 1-2 L/ha	P	P	P	P	P	P	P	P	P	E	E	E	E	P	P	P	P	E	VLH	12
UP TO 60 DAYS BEFORE HARVEST	EPTC at lay-by	Eptam 8E	EC	4.2 - 5.6 L/ha	F	-	G	P	F	F	F	P	P	G	G	G	F	P	P	-	-	E	VLH	12

LEGEND

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*** Do not use Venture L within 90 days of harvest

*** Do not use Poast within 80 days of harvest

*** Do not use Excel within 35 days of harvest

*** Do not use Select within 60 days of harvest

*** Do not use Prism within 30 days of Harvest

Apply after weeds emerged but before potatoes emerge.

NOTE: FOR ADDITIONAL INFORMATION AND CAUTIONS ON HERBICIDE USE, REFER TO "Guide to Weed Control," Publication 75 and product labels.

NOTES ON HERBICIDES

All herbicides are known by a chemical name. Agricultural chemical companies use trade names for their products, but, by law, they must include on the label the accepted chemical name for the herbicide and the actual amount of that herbicide in the product. Supply companies sell products with different concentrations for the same herbicide and over the years some have changed the concentration of active herbicide in a product. Suggested rates in these notes specify the amount of herbicide product required per hectare.

CLETHODIM sold as **SELECT** contains 240 g/L of clethodim. It should be used at all times in a tank-mix with the adjuvant **AMIGO**. Clethodim is a systemic postemergence herbicide with uptake primarily through the leaves. Potatoes are tolerant to clethodim at all growth stages. Thorough coverage of the leaf foliage is necessary for consistent grass control. Do not apply if rainfall is expected within 1 hour of application.The time for complete control is normally 7 to 21 days depending on growing conditions and crop competition. Apply Select when the annual grasses are in the 2 to 5 leaf stage and when quackgrass is in the 2 to 5 leaf stage.

EPTC, sold as **Eptam 8E**, contains 800 g emulsifiable concentrate (EC) of EPTC per litre. It is applied under low pressure 200 kPa in 110-340 litres of water per hectare. Also available in granular formulations, it is used for potatoes as a pre-planting, pre-emergence or post-emergence treatment for many weeds, including annual grasses, quackgrass and nutsedge. A few broadleaf weeds, such as wild radish and wild mustard are not controlled. For control of annual grasses apply and incorporate EPTC either pre-planting or at lay-by. For control of dense stands of nutsedge and quackgrass apply and incorporate EPTC pre-planting. The underground quackgrass rhizomes must be cut up thoroughly so that four or less nodes remain on a stem. This is best done with discs set to cut 15 to 20 cm deep.

EPTC must be incorporated into the soil immediately to prevent loss of the herbicide. Once trapped into the soil, the vapour which forms when EPTC comes into contact with moisture acts to destroy germinating weed seeds and quackgrass rhizomes if the rhizomes are cut into short lengths of 7.5 cm or less. The soil must be in good tilth and have a dry surface. EPTC sprayed on wet soils vaporizes quickly into the air and is lost. It is less active in cold soils than in warm soils. It is difficult to incorporate into stoney soil. Whenever possible, application and incorporation should be done in the same operation

EPTC is incorporated using power driven cultivation equipment set to cut to a depth of 5 to 8 cm, or tandem discs set to cut to a depth of 10 to 15 cm, operated at 6.4 to 9.7 kilometres per hour, or a Danish type cultivator, with tines set on 15 to 20 cm centers, set 10 cm deep, operated at 10 to 13 km/hr. and followed by a spike tooth harrow or some other leveling device which extends beyond the ends of the discs or cultivator.

An overspray with a pre-emergence or post-emergence herbicide to control germinating annual broadleaf weeds is usually required to control some weeds tolerant to EPTC.

FENOXAPROP ETHYL, sold as **Excel** Super contains 80.5 g of fenoxaprop-p-ethyl per litre of Excel Super.

Fenoxaprop-p-ethyl is applied post-emergence to the potatoes for control of annual grasses in the 1 to 6 leaf stage. It will control green and yellow foxtail, barnyard grass, crabgrass, old witch grass, fall panicum and volunteer corn. Fenoxaprop-p-ethyl does not control broadleaf weeds, sedges, quackgrass or other perennial grasses. Second flushes of annual grasses will not be controlled since fenoxaprop-p-ethyl is not residual.

Apply Excel Super in at least 100 litres of water per hectare. Thorough coverage of the foliage is essential for effective grass control. Application through flat fan nozzles at a 45 degree angle forward will result in the best spray coverage. Do not apply if rain is expected within 1 hour of application.

As fenoxaprop-p-ethyl controls only annual grass weeds, it is important to control broadleaf weeds with another herbicide. A time interval of four days before or after fenaxaprop-p-ethyl application is required before any other pesticide is applied.

FLUAZIFOP-P-BUTYL, sold as **Venture L** contains 125 g fluazifop-p-butyl per litre. It is applied post-emergence to the potatoes and weeds and will give control of many annual grasses and also quackgrass. It does not control broadleaf weeds or sedges such as nutsedge. Growth of grasses stops soon after application but destruction of the whole plant may take several weeks. For annual grass control, apply when the annual grasses have 2-5 leaves. For quackgrass control, apply when the quackgrass has 3 to 5 leaves on each shoot. Do not apply if rainfall is expected within 2 hours of application.

GLUFOSINATE AMMONIUM is the active chemical in **IGNITE**. DO NOT USE ON POTATOES GROWN FOR SEED. Apply **glufosinate ammonium** in at least 110 litres of water per hectare. Application of the spray at a 45° angle forward will result in better coverage. Leave a 15 M buffer between edge of field and environmentally sensitive areas. DO NOT spray when winds exceed 16 km/hr. when using open boom sprayers. Apply IGNITE at no later than ground crack. Only emerged weeds will be controlled with IGNITE. For residual control of annual weeds, IGNITE may be tank mixed with SENCOR 500F or LEXONE DF. Do not apply if rainfall is expected within 4 hours.

GLYPHOSATE, sold as **Roundup** containing 356 g of glyphosate per litre as isopropylamine salt, or **GLYFOS** containing 360 gram of glyphosate/liter as isoprpolamine salt, or **TOUCHDOWN** containing 330 g of glyphosate per litre as trimethylsulfonium salt, for perennial weed control prior to planting potatoes. Apply glyphosate in the spring or fall for

quack (couch) grass control. The quackgrass must be at least 20 cm in height (3 to 4 leaf stage). Tillage prior to application will reduce control of quackgrass.

Weed control with glyphosate is reduced if dirty water is used for application. Where tillage is desired, delay for 5 to 7 days after application. Glyphosate has no soil activity. Therefore, it will not injure crops planted in the treated area. Roundup, when used after weed emergence but before ground crack and potato emergence will control emerged weeds. Emerged potato plants will be injured and reduced yield may result.

LINURON* sold as **Afolan F** or **Lorox L** or **Linuron 480 FL** containing 480 g Linuron per litre or **Linuron 400 FL** with 400 g/L linuron, or **Lorox DF** containing 50% linuron. Apply linuron before potato sprouts emerge, never on the sprouts.

Abnormally heavy rainfall following application may cause crop injury. However, moisture is needed for good weed control action. Potato sets should be 5 cm below the treated soil.

The high rate usually controls annual grasses such as barnyard grass. Do not use on sand or coarse textured soils low in organic matter. Use the higher rate on clay.

Linuron formulated as soluble granular (DF) requires constant agitation to keep it in suspension.

METRIBUZIN 480 GL sold as **Sencor Solupak 75DF**, and **Sencor DF** (dry flowable) 75% metribuzin, **Sencor 500F**, a liquid, contains 500 g/L. Metribuzin is used pre-emergence to potatoes. The higher rate is usually required to control annual grasses and dense weed infestations. Also, the higher rate will retard the growth of quackgrass (use the lower rate for broadleaf weed control only). Moisture is needed shortly after a pre-emergence application for better weed control.

Do not use on Belleisle, Tobique, Sante or Tolaas cultivars. Use only pre-emergence on Shepody cultivars. Do not use on muck soil. Fall-seeded cover crops and certain vegetables such as cole crops, seeded the following spring are likely to be injured. Avoid overlaps that will increase dosages above the recommended. Read the manufacturer's label.

PRE-EMERGENCE APPLICATION (PLANTING TO GROUND CRACK) OF METRIBUZIN IS PREFERRED. However, where it is not possible to spray before crop emergence, metribuzin can be applied early post-emergence before weeds are 4 cm high and before first emerged potato tops are 7.5 cm high. This treatment may cause temporary yellowing and/or leaf burn, especially when the crop is under the stress of poor growing conditions such as cool, wet, cloudy weather. Under Atlantic Canada conditions, a few early post-emergence applications have occasionally reduced vine growth sufficiently to retard bulking and possibly to reduce yield. However, under these situations, the use of metribuzin early post-emergence to potatoes could be better than abandoning the crop to weeds such as barnyard grass which are difficult to control by cultivation.

Some of the limitations on early post-emergence applications are as follows:

a) Do not use when plants are under stress, such as cool, wet, cloudy weather or very dry soil conditions.

b) If insufficient metribuzin was used pre-emergence, it may be necessary to apply an additional early post-emergence treatment to control annual grass. In one season, do not apply more than a total of 1.1 kg active metribuzin per hectare.

c) Weed control with early post-emergence application is most effective when spray is applied before weeds are 4 cm high.

d) Do not apply metribuzin early post-emergence on Shepody, Tobique, Belleisle, Sante, Tolaas, red-skinned varieties or potatoes grown for early market.

e) Superior and Norchip are mid-season varieties which appear to be sensitive to metribuzin applied post-emergence.

MONOLINURON, sold as **Afesin** is an emulsifiable concentrate (E.C.) containing 200 g of monolinuron per litre. Monolinuron is applied in 225 to 450 litres of water per hectare between planting and emergence of potatoes; never on potato shoots. Use the lower rate on soils with low organic matter and the higher rate on clay or soils high in organic matter.

PARAQUAT, sold as **Gramoxone** containing 200 g paraquat per litre kills weeds on contact with the foliage. Apply in 280 to 560 litres of water per hectare to emerged weeds including quackgrass. It can be used postemergence on potatoes up until the stems are 5 cm high (one week after ground crack), except Russet Burbank. Do not apply postemergence to potatoes in the evening, or on cloudy days, or when the plants are under moisture shortage. Temporary chlorosis (loss of leaf colour) of potato leaves will occur.

Application of paraquat for emergency control of quackgrass and emerged annual grass may be made when shoots are up to 10 cm high (not to Russet Burbank) but potato leaf chlorosis may be more severe and yield could be reduced. Late application should only be considered when quackgrass or annual grasses threaten the crop.

Use clear water for applying paraquat as it is deactivated by clay or organic particles.

Paraquat is inactivated on contact with the soil so there is no residual action in the soil. If new weed growth appears, it will be necessary to cultivate or use a post-emergence herbicide. Usually, the lay-by cultivation (hilling) will be sufficient. For residual control of annual broadleaf weeds and annual grasses, tank mix paraquat and metribuzin or tank mix paraquat and linuron or monolinuron. Use the lower rate of linuron, or monolinuron on lighter soils and the higher rate on heavier soils with high organic matter. Apply the tank mix before the potatoes emerge.

RIMSULFURON sold as **PRISM** containing 25 % rimsulfuron, is a dry flowable formulation in water soluble bags. It is applied in a minimum of 100 l/ha of water and must be used within 24 hours as the herbicide will degrade in acidic or highly alkaline

water. It must be applied with a non-ionic surfactant as recommended on the label. Mix **Prism** with at least one quarter of the water first and add the surfactant after the herbicide is thoroughly mixed. **Prism** is applied as a post-emergence treatment to control annual grasses in the 1 to 6 leaf stage and quackgrass in the 3 to 6 leaf stage. Control of some broad-leaf weeds is also obtained. Do not apply if rainfall expected within 2 hours of application.

SETHOXYDIM, sold as **Poast Ultra** contains 450 g of sethoxydim per litre. Sethoxydim is a postemergence, contact and systemic herbicide for control of certain grasses and uptake is primarily through leaves. Thorough coverage of the foliage is necessary for consistent grass control. Complete annual grass destruction takes 7 to 21 days depending on growing conditions and crop competition. Destruction of quackgrass may take 6 to 8 weeks.

Application is made at the 1 to 6 leaf stage of annual grasses and at the 3 leaf stage of quackgrass. A cultivation no sooner than 7 days after application of sethoxydim will improve grass control. Best results are obtained in water volumes of 50 to 200 litres per hectare. Do not use flood jet or hollow cone nozzles with this herbicide as level of grass control will be reduced. See product label of **Poast Ultra** for information on rate of application and mixes with surfactants **Merge** and **Assist**. Surfactants are required to be used with **Poast Ultra**. This herbicide does not control broadleaf weeds. Use an appropriate pre-emergence herbicide to control broadleaf weeds. Do not apply if rainfall is expected within 1 hour of application.

S-METOLACHLOR , sold as **Dual II Magnum** containing **915 g/L** emulsified concentrate (**EC**). It controls large and smooth crabgrass, witch grass, barnyard grass, fall panicum, green and yellow foxtail, yellow nutsedge, American nightshade and eastern black nightshade. For control of yellow nutsedge apply pre-plant incorporated (ppi) (see label) or for annual grasses either ppi or pre-emergence. Use the higher rate wherever annual grasses or yellow nutsedge predominates or densities of weeds are expected to be high. Do not apply to potatoes at ground crack or if potatoes have emerged. Rainfall within 10 hours is required for maximum activity of the pre-emergence application. Residual activity will normally be retained for 10 - 14 weeks. Winter cereals may be planted 4 - 5 months after s-metolachlor application. See the product label for registered tank mix combinations. Do not use s-metolachlor on muck soils or coarse textured soils low in organic matter. Do not use on the variety Superior.

DISINFECTION

Cleaning and disinfection of storages and potato handling equipment each year are essential elements of a potato disease management program to eliminate carryover of disease-causing bacterium. Warehouse and equipment disinfection programs are primarily to control bacterial ring rot (BRR) of potatoes, but can also reduce the potential for soft rot, silver scurf, and fusarium problems. An effective disinfection program is a three-step process that includes:

1 Removal of all loose debris, dirt, and trash from equipment and the warehouse.

2. A thorough cleaning of all surfaces! Cleaning is best accomplished using water, a pressure washer, and a detergent. The detergent helps to prepare a surface for subsequent disinfection.

3. A registered disinfectant, applied after cleaning and in a way that ensures the surface remains wet for a minimum of ten minutes.

Disinfection of set-cutters and planters between seed lots is important in reducing the potential for pathogen transfer between different seed lots. Sponge rollers on set-cutters should be removed, cleaned then soaked in a container of disinfectant. Used or borrowed equipment should be cleaned and disinfected before it arrives on the farm and before it is returned.

Transport trucks arriving on farms for loads of potatoes must be disinfected, before arrival on the farm. The possibility exists for such vehicles to carry potato debris from one location to another with the risk of disease spread.

PEI Department of Agriculture and Forestry
Potato Quality Section

2003 Disinfection Program

Mobile Disinfection Services - Mobile units respond to requests from various sectors of the potato industry to provide a chemical disinfectant delivery services. All types of potato handling, storage, and transportation equipment are sprayed with a product registered fro the control of the bacterial ring rot causing organism. Seasonal variation in the demand for mobile service is accommodated by increasing/decreasing the number of units on call but the program maintains at least five mobile services at all times. Requests for the mobile services are provided through a cell phone system which provides a prompt, efficient service.

Mobile Service:

Area	*Agent*	*Mobile Phone #*
Elmsdale	Norman Matthews	(902) 853-7448
O'Leary	(Summer)	(902) 853-7447
Summerside - West	(Summer)	(902) 888-9482
Albany	Paul Montgomery	(902) 888-9486
Charlottetown	(Summer)	(902) 629-9643
Montague	Full Time	(902) 969-7449
Souris	Full Time	(902) 969-7450

Stationary Vehicle Disinfection Depots - Two year round facilities (Borden and West Royalty) provide disinfection services for potato transporters. We also have one seasonal facility at Wood Islands. Provincial legislation requires that all transporters arriving on P.E.I. to load potatoes must be disinfected prior to loading. Where it is not convenient for trucks to receive disinfection services at a depot, mobile units are called to meet the vehicle somewhere mutually convenient. There is a fee of $10.70 for the disinfection of transport trucks payable on exiting the Province.

Disinfection Stations:		*Phone #*
Borden-Carleton	Borden-Carleton (Industrial Park)	(902) 437-8559
Upton	Upton Rd. Ch'town Industrial Park	(902) 368-5673
Wood Islands	Wood Islands Scale House	(902) 962-7419

Disinfectant

Chemical	Product	Concentration	Hazard	Caution
Didecyl Dimethyl Ammonium Chloride	DMR-23 DISINFECTANT Gulf Star Chemicals	6.7 ml/L water	VLH	avoid skin and eye contact an inhalation of mist

TOPKILLERS

Chemical Name	Product Name	Formulation	Product/ha	Acute Hazard Rating Mammals	Reentry Times (hrs)
Diquat	**Reglone 240** (240g/L)	SN	- Heavy green vines — 3.5 L/Ha - Medium vines, maturing — 1.7-2.3 L/ha - Split application–1.25-2.3L/ha+1.25L/ha, 4-6 days later	MH	24
Use the higher rate on green immature, dense or rapidly growing tops.			Use a lower rate on tops showing some maturity yellowing or senescence.		
Glufosinate ammonium	Ignite	SN	3.0 L/ha	LH	12
Endothall	Des-i-cate (62g/L)	SN	17 - 22 L/ha	LH	48

NOTES ON TOPKILLERS

DIQUAT is the active chemical in **Reglone 240**. Applications should be made after growth has passed its peak, rather than when plants are growing actively.

Apply **Diquat** in 560-1100 litres of water per hectare (Label Direction). Do not apply **Diquat** during drought conditions, wait for at least three days after the soil has been thoroughly moistened by rain or irrigation. Use clear water with diquat as it is deactivated by clay or organic particles.

Laboratory tests show that diquat (Reglone 240) is stable and compatible with the following fungicides: Dithane DG, Polygram DF, Bravo Flowable, Manzate 200DF and copper sulphate. Do not use any wetters (Agral 90) or stickers in Eastern Canada.

GLUFOSINATE AMMONIUM is the active chemical in **IGNITE. DO NOT USE ON POTATOES GROWN FOR SEED**. Apply **glufosinate ammonium** in at least 110 litres of water per hectare. When canopy is dense or weed growth is heavy, use 170 to 220 litres of water per hectare. Do not harvest the treated crop within 9 days of application. Uniform, thorough spray coverage is important to consistent crop desiccation. Better desiccation will be achieved if the potato vines are past peak growth, rather than actively growing.

ENDOTHALL is the active ingredient in **DES-I-CATE**. For light vine growth apply 17 - 22 L/ha of **DES-I-CATE** using the higher rate in cloudy, cool weather. For heavy vine growth use the full rate of 22 L/ha and spray to thoroughly wet the lower stems. For best results, use a sprayer pressure of 700-1050 kPa using 500 - 800 L of water /ha. Applications should be made 10-14 days prior to harvest. Add **DES-ICATE** to the spray tank after adding water to reduce foaming.

In situations involving very heavy vine growth, double spraying, first up and then down the field on the same day, applying 11 L/ha per application, will maximize coverage and top desiccation. No wetting agent or emulsifier is needed with **DES-I-CATE**. Under conditions favourable for rapid vine growth, such as low soil moisture or high temperature, do not use the high rate as stem end discolouration may occur.

SPROUT INHIBITORS

Sprout inhibitors provide a rather inexpensive means of keeping potatoes in good condition for the late fresh and processing markets. Sprouts increase water loss from tubers and reduce the volume of saleable potatoes. Sprouting may cause color loss in processing potatoes.

When sprout inhibitors are used as directed, tuber residues are below tolerance levels and there are no harmful effects on humans.

PRODUCT	METHOD OF APPLICATION	COMMENTS
Maleic Hydrazide (Royal MH 60SG)	Applied at 3.39 kg active (5.65 kg product) per hectare in a minimum of 300 L/ha water with ground equipment or a minimum of 100 L/ha water with aerial equipment.	Time of appliction is critical. **Follow label instructions carefully.**
Chlorpropham (CIPC)	Applied in storage after curing and suberization are complete. Cannot be used in a storage containing seed potatoes. Seed cannot be safely stored in a treated storage within 3 years of treatment.	**In-storage application is available only from a manufacturer's representative.** Effectiveness can be reduced by dirty potatoes, poor air distribution and advanced physiological age. Consult your applicator.
Chlorpropham (Sprout-Nip E.C.)	Emulsifiable food grade formulation of chlorpropham used after storage. Mixed with water and misted on potatoes during the grading operation. Prepare a 1% emulsion by adding 1 litre of Sprout-Nip E.C. (350g active) to 35 litres water. Apply emulsion at 1.0 litres per tonne.	Used to control sprouting during retailing and home storage by the consumer. **Potatoes must be clean and all bruises and cuts healed.** Dirt may prevent chemical from reaching the potato eyes. **Follow label instructions carefully** in regards to application equipment, mixing directions and application rates.

- **Never use sprout inhibitors in a seed storage.**
- **Never store treated potatoes in a seed storage.**
- **Never use treated potatoes for seed.**

Foliar Fungicides

FUNGICIDE	PRODUCT RATE/HA			DAYS TO HARVEST	HAZARD RATING	
	LATE BLIGHT	EARLY BLIGHT	BOTRYTIS (GRAY MOLD)		HUMANS	FISH
Chlorothalonils						
Bravo 500	1.2-2.4 L	1.6-2.4 L	1.6-2.4 L	1	VLH	VHH
Coppers						
Parasol WP *	1.1-2.5 kg + 1.75-2.25 kg mancozeb	1.1-2.5 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Parasol Flowable**	0.80-1.80 L + 1.75-2.25 kg mancozeb	-	-	1	VLH	VHH
Copper Spray	5.5 kg	5.5 kg	-	1	VLH	VHH
Copper 53W	5.5 kg	5.5 kg	-	1	VLH	VHH
Kocide 101 *	1.1-2.25 kg + 1.75-2.25 kg mancozeb	1.1-2.25 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Kocide DF *	1.1-1.7 kg + 1.75-2.25 kg mancozeb	1.1-1.7 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Cymoxanils						
Curzate 60 DF	225 g + 1.6 kg mancozeb	-	-	8	VLH	LH
Dimethomorphs						
Acrobat MZ	2.5 kg	2.5kg	-	14	VLH	MH
Mancozebs						
Dithane DG Rainshield NT	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Dithane M-45	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Manzate 200 DF	1.1-2.24 kg	1.1-2.24 kg	-	1	VLH	MH
Penncozeb 80 WP	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Penncozeb 75 DF	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Metalaxyls						
Ridomil Gold MZ68WP	2.5 kg	2.5 kg	-		VLH	MH
Ridomil Gold/Bravo Twin Pak	8.83 L/4ha	8.83 L/4ha	8.83 L/4ha		VLH	VHH
Metirams						
Polyram DF	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	VHH
Propamocarbs						
Tattoo C	2.7 L	-	-	7	VLH	VHH
Pyraclostrobin						
Headline 250 EC***	0.45 - 0.9 L	0.45 -0.67 L	-	3	VLH	VHH
Zinebs						
Zineb 80 W	1.7-3.3 kg	1.7-3.3 kg	-	1	VLH	MH
Zoxamides						
Gavel 75 DF	1.7-2.25 kg	1.7-2.25 kg	-	3	VLH	MH

- Product not registered for use against the particular disease.

* These products may be applied without a mancozeb product at 3.4 kg/ha at topkill with a topkiller or after topkill prior to harvest.

** These products may be applied without a mancozeb product at 2.40 L/ha at topkill with a topkiller or after topkill prior to harvest.

*** To reduce the potential of late blight resistance, no more than 2 applications of Headline may be made before alternating to a fungicide with a different mode of action.

Metalaxyl products also have label recommendations for suppression of Pink Rot and Pythium Leak.

Experience has shown the metalaxyl-insensitive strains of Phytophthora may develop. Metalaxyl products should not be used when late blight is present in fields.

Foliar Fungicides

FUNGICIDE	PRODUCT RATE/HA			DAYS TO HARVEST	HAZARD RATING	
	LATE BLIGHT	EARLY BLIGHT	BOTRYTIS (GRAY MOLD)		HUMANS	FISH
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Coppers						
Parasol WP *	1.1-2.5 kg + 1.75-2.25 kg mancozeb	1.1-2.5 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Parasol Flowable**	0.80-1.80 L + 1.75-2.25 kg mancozeb	-	-	1	VLH	VHH
Copper Spray	5.5 kg	5.5 kg	-	1	VLH	VHH
Copper 53W	5.5 kg	5.5 kg	-	1	VLH	VHH
Kocide 101 *	1.1-2.25 kg + 1.75-2.25 kg mancozeb	1.1-2.25 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Kocide DF *	1.1-1.7 kg + 1.75-2.25 kg mancozeb	1.1-1.7 kg + 1.75-2.25 kg mancozeb	-	1	VLH	VHH
Cymoxanils						
Curzate 60 DF	225 g + 1.6 kg mancozeb	-	-	8	VLH	LH
Dimethomorphs						
Acrobat MZ	2.5 kg	2.5kg	-	14	VLH	MH
Mancozebs						
Dithane DG Rainshield NT	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Dithane M-45	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Manzate 200 DF	1.1-2.24 kg	1.1-2.24 kg	-	1	VLH	MH
Penncozeb 80 WP	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Penncozeb 75 DF	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	MH
Metalaxyls						
Ridomil Gold MZ68WP	2.5 kg	2.5 kg	-		VLH	MH
Ridomil Gold/Bravo Twin Pak	8.83 L/4ha	8.83 L/4ha	8.83 L/4ha		VLH	VHH
Metirams						
Polyram DF	1.1-2.25 kg	1.1-2.25 kg	-	1	VLH	VHH
Propamocarbs						
Tattoo C	2.7 L	-	-	7	VLH	VHH
Pyraclostrobin						
Headline 250 EC***	0.45 - 0.9 L	0.45 -0.67 L	-	3	VLH	VHH
Zinebs						
Zineb 80 W	1.7-3.3 kg	1.7-3.3 kg	-	1	VLH	MH
Zoxamides						
Gavel 75 DF	1.7-2.25 kg	1.7-2.25 kg	-	3	VLH	MH

- Product not registered for use against the particular disease

* These products may be applied without a mancozeb product at 3.4 kg/ha at topkill with a topkiller or after topkill prior to harvest

** These products may be applied without a mancozeb product at 2.40 L/ha at topkill with a topkiller or after topkill prior to harvest

*** To reduce the potential of late blight resistance, no more than 2 applications of Headline may be made before alternating to a fungicide with a different mode of action

Metalaxyl products also have label recommendations for suppression of Pink Rot and Pythium Leak

Experience has shown the metalaxyl-insensitive strains of Phytophthora may develop. Metalaxyl products should not be used when late blight is present in fields.

POST HARVEST FUNGICIDES

These fungicides are effective only when the **TOTAL SURFACE** of each tuber is covered and recommended rates are used.

Dithane F-45

Dithane F-45 is registered for the control of Fusarium dry rot on **SEED POTATOES**. Apply 1.58 litres of Dithane F-45 in 4-8 litres of water post harvest per 1000 kg of seed potatoes. Apply as a spray on a conveyer belt prior to storage.

Mertect SC

Apply Mertect (thiabendazole) as a mist spray on **WHOLE** potatoes going into storage to control the fungal diseases caused by *Fusarium*, *Phoma*, *Rhizoctonia*, and the diseases Silver Scurf and Skin Spot. Add 7.5 litres of Mertect to 170 litres of water. Apply this suspension at the rate of 2 litres per 1000 kg of potatoes. This treatment is effective only when the recommended rate is used. Improper use can result in development of resistant strains of fungal pathogens of potatoes.

Mertect SC can also be applied at the same application rate when potatoes are being moved, as fungal pathogens are present on grading equipment and mechanical injuries will create an entry point for fungal diseases.

CAUTION: DO NOT combine Mertect SC with chlorinated compounds. DO NOT use after sprout initiation. Some resistant strains of Fusarium Rot and Silver Scurf pathogens are now present in the region, reinforcing the need to use recommended rates and application methods.

GUIDELINES FOR CHEMICAL PESTICIDE SAFETY

Treat all pesticides (insecticides, herbicides, fungicides, etc.) as poisonous substances and handle them with great caution. They can kill.

1. Read each pesticide label carefully and follow the instructions. The instructions on a pesticide label serve to safeguard the health of the user as well as to ensure the pesticide is employed as efficiently and economically as possible. When in doubt, read the label.

2 Except where product labels read otherwise, nitrile gloves are recommended. Always refer to product label.

3. Always wear the recommended protective clothing and safety equipment. Pesticides may enter the user's body through the skin, the mouth or by inhalation. The protective equipment worn by the conscientious pesticide applier includes a respirator orgas mask, a wide-brimmed hat, goggles, a shirt with long sleeves over gloves, overalls with rubber bands around the cuff, and neoprene or rubber boots. Because fumigants are readily absorbed by neoprene, be sure to follow label instructions. Don't follow someone else's bad example. Wear the required safety equipment. It's for your own good.

4. Open, pour, weigh and mix pesticides in a safe manner and according to label instructions. Use the proper tools to open a container. Stand upwind of all opening, pouring and mixing operations, and in a well-ventilated area. Avoid splashing and spilling.

5. Learn to recognize the typical signs of poisoning and the correct first aid procedures. Keep a first aid kit handy. Some symptoms of acute poisoning are nausea, diarrhea, loss of muscle coordination, stomach cramps, mental confusion, etc.

6. If you feel ill during pesticide application, stop work and seek medical attention at once. Do not carry on because of the work schedule. Always save the pesticide container or the label to assist the medical aid person. Do not permit any person including yourself, to work alone when handling or applying pesticides.

7. Never use your mouth to siphon liquid materials or to blow out a clogged spray nozzle.

8. Keep people and animals away from contaminated equipment and areas until decontamination procedures are complete.

9. Be sure a good supply of lime, sawdust, or other absorbent is available on site to soak up a spilled pesticide.

10. Do not permit anyone unfamiliar with chemical safety practices to carry out cleaning or maintenance procedures. Appropriate protective equipment is necessary for cleaning and maintenance personnel.

11. Always dispose of irreparable faulty protective equipment and contaminated clothing.

12. Do not store pesticides near any food or drink. Store them in a locked, well-marked area and out of the reach of children.

14. Do not keep any food, drink, tobacco, cups or cutlery anywhere in the work areas or work clothes. Refrain from smoking, eating, or drinking while mixing or applying pesticides.

15. Dispose of empty pesticide containers by removal of caps and labels, triple rinse and return to your crop protectant dealer. **Triple Rinse:** Containers should be thoroughly rinsed at least three times with the rinsing being added to the spray mix. The landfill sites at Wellington and the Energy Waste Plant in Charlottetown will accept clean paper chemical bags. A permit is required but there is no charge. Contact Debbie Johnson (368-5059) or Glenda Peters (368-5047) for a permit.

16. After handling pesticides, wash hands carefully before eating, drinking, smoking, or using the toilet.

17. Shower thoroughly, with special attention to hair and fingernails, after each pesticide application is complete. Change clothes daily or more often if any contamination occurs. Wash contaminated clothing separately from normal laundry.

18. Before mixing and applying pesticides, clear all livestock, pets and people from the area to be treated. Apply pesticides only at the correct time and under acceptable weather conditions.

19. Check the application equipment. Look for leaking hoses, or connections, plugged or worn nozzles, and examine the seals on the filter openings to make sure they will prevent pesticide spillage.

20. Mix the pesticide at the recommended rate, and apply at the specific dosage on the label. Carry only a sufficient quantity of the pesticide for the job at hand.

POISON INFORMATION CENTRES

The hospitals and telephone numbers listed below provide emergency information on potentially toxic substances 24 hours a day. If you suspect poisoning from exposure to a pesticide consult the label for immediate first aid instructions. Transport the person to the nearest hospital and take the label information with you.

Prince Edward Island

IWK Health Centre-Poison Information Centre

Telephone: 1-800-565-8161

Nova Scotia

IWK Grace Poison Information Centre
Telephone: 1-800-565-8161
or Halifax (902) 428-8161

New Brunswick

Telephone: 911 Ask for poison information

ENVIRONMENTAL EMERGENCIES (Pesticide spills)

New Brunswick, Nova Scotia or Prince Edward Island
1-800-565-1633 (24 hours) or in Halifax (902) 426-6030

THINK SAFETY

METRIC CONVERSION FACTORS FOR ENGLISH SYSTEM

Metric units ÷ Approximate conversion factor = Results in:

LINEAR			**TEMPERATURE**		
Millimetre (mm)	÷ 25	inch	Degrees Celsius (°C)	(9/5x°C)+32	degrees Fahrenheit
Centimetre (cm)	÷ 30	foot			
Metre (m)	÷ 0.9	yard	**PRESSURE**		
Kilometre (km)	÷ 1.6	mile	Kilopascal (kPa)	÷ 6.9	pounds per square inch
AREA			**POWER**		
Sq. centimetre (cm^2)	÷ 6.5	square inch	Watt (W)	÷ 746	horsepower
Sq. metre (m^2)	÷ 0.09	square inch	Kilowatt (kW)	÷0.75	horsepower
Hectare (ha)	÷ 0.40	acre			
			SPEED		
VOLUME			Metres per second (m/s)	÷ 0.30	feet per second
Cubic centimetre (cm^3)	÷ 16	cubic inch	Kilometres per hr. (km/h)	÷ 1.6	miles per hour
Cubic decimetre (dm^3)	÷ 29	cubic foot			
Cubic metre (m^3)	÷ 0.8	cubic yard	**AGRICULTURE**		
Millilitre (mL)	÷ 28	fluid ounce	Hectolitres/hec. (hl/ha)	÷ 0.90	bushels per acre
Litre (L)	÷ 0.57	pint	Litres per hec. (L/ha)	÷ 11.23	gallons per acre
Litre (L)	÷ 1.1	quart	Litres per hec. (L/ha)	÷ 2.8	quarts per acre
Litre (L)	÷ 4.5	gallon	Litres per hec. (L/ha)	÷ 1.4	pints per acre
Hectolitre (hL)	÷ 0.36	bushel	Millilitres/hec. (mL/ha)	÷ 70	fluid ounces per acre
Litres/sec./tonne	÷ 10.4	cubic feet/min./cwt.	Tonnes per hec. (t/ha)	÷ 2.24	tons per acre
			Kilograms per hec. (kg/ha)	÷ 1.12	pounds per acre
WEIGHT			Grams per hec. (g/ha)	÷ 70	ounces per acre
Gram (g)	÷ 28	ounce	Plants per hec. (plants/ha)	÷ 2.47	plants per acre
Kilogram (kg)	÷ 0.45	pound			
Tonne (t)	÷ 0.9	ton	**Examples:**		
Tonne (t)	÷ 0.0454	hundredweight (cwt)	3 km ÷ 1.6 = 1.9 miles		
			4 ha ÷ 0.4 = 10 acres		
			13.5 hl/ha ÷ 0.90 = 15 bushels per acre		

Revisions for the 2003 Potato Crop Variety, Weed and Pest Control Guide have been made by the following section editors:

INSECTICIDES	GILLES BOITEAU	FAX: (506) 452-3316
HERBICIDES & TOPKILLERS	KEVIN MCCULLY	FAX: (506) 454-7978
FUNGICIDES & SEED PIECE TREATMENTS	KHALIL AL-MUGHRABI	FAX: (506) 392-5102
DISINFECTANTS	SUZANNE YOUNG	FAX (506) 392-5102
SPROUT INHIBITORS	LORETTA MIKITZEL	FAX: (506) 392-5102
SAFETY	SUZANNE YOUNG	FAX: (506) 392-5102
VARIETIES	PETER SCOTT	FAX: (506) 392-5102

Forward revisions for the 2004 Potato Crop Variety, Weed and Pest Control Guide to Paul MacPhail (Fax 902-368-5729) before November 15, 2003.

WARNING

Please note that we make no warranty or guarantee of any kind, expressed on implied, concerning the use of products listed in this publication. The user assumes all risk, whether recommendations are followed or not.

This publication is intended as a guide only. For specific product information

ALWAYS REFER TO AND FOLLOW DIRECTIONS ON THE LABEL.